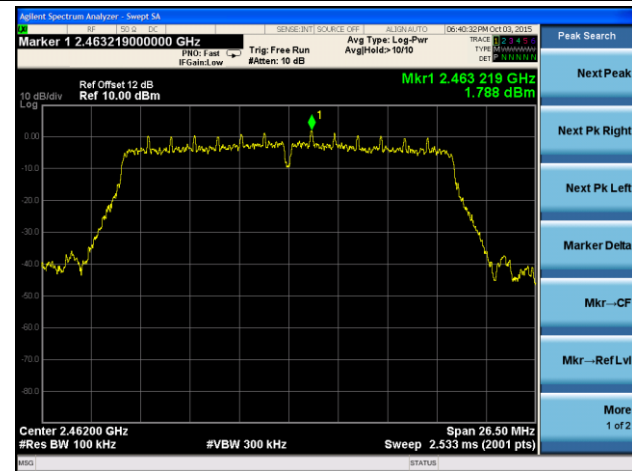
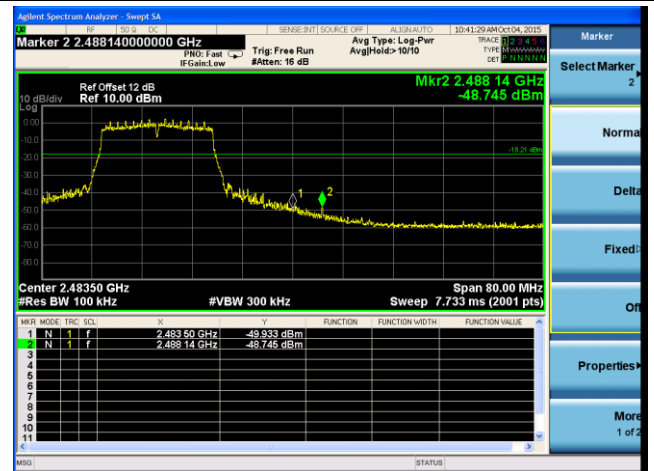


## Channel 11 (2462MHz)

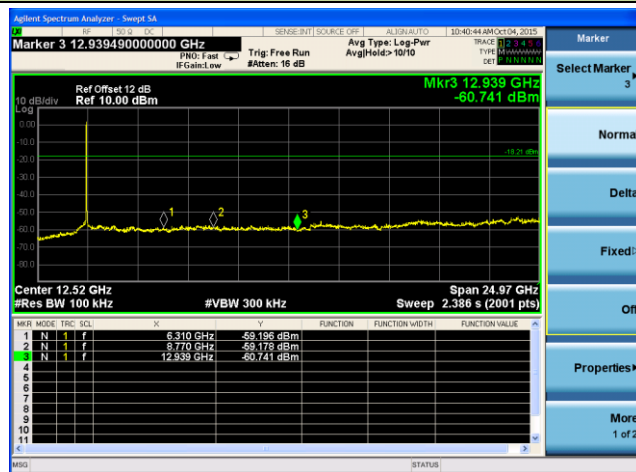
### 100kHz PSD Reference Level



### High Band Edge



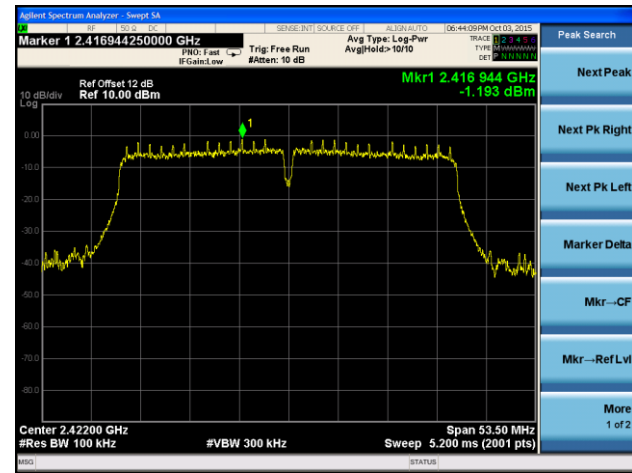
### Spurious Emission



## 802.11 n-HT40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

### Channel 03 (2422MHz)

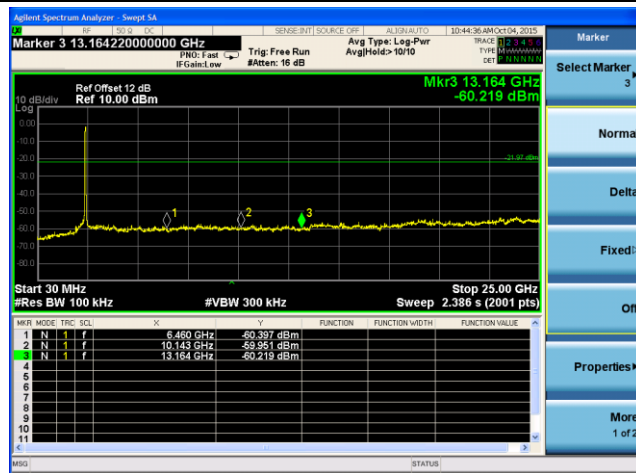
#### 100kHz PSD Reference Level



#### Low Band Edge

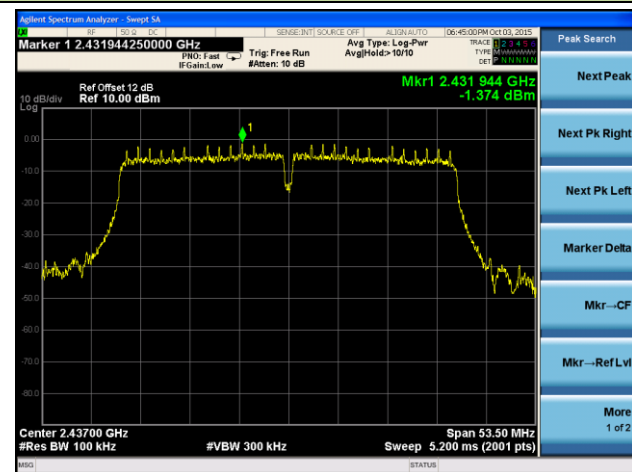


#### Spurious Emission

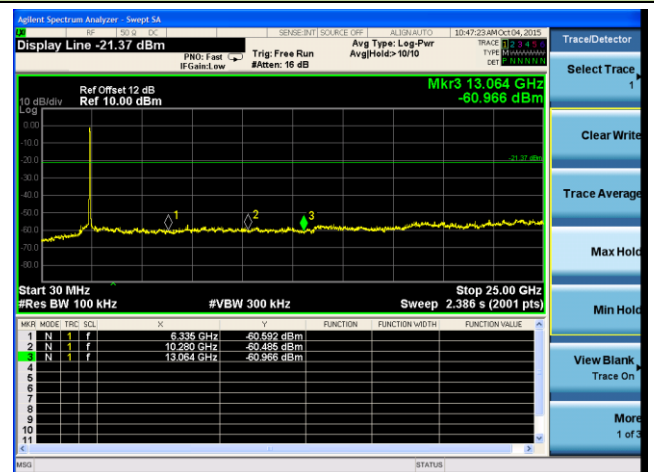


### Channel 06 (2437MHz)

#### 100kHz PSD Reference Level

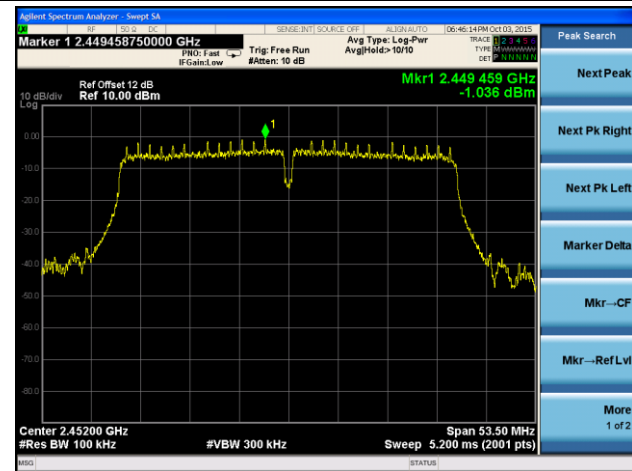


#### Spurious Emission



## Channel 09 (2452MHz)

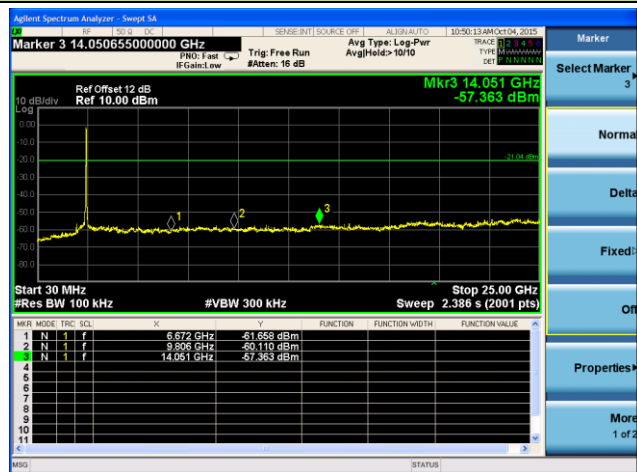
### 100kHz PSD Reference Level



### High Band Edge



### Spurious Emission



## 7.6. Radiated Spurious Emission Measurement

### 7.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

### 7.6.2. Test Procedure Used

KDB 558074 D01v03r03 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r03 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r03 - Section 12.2.5 (average power measurements)

### 7.6.3. Test Setting

#### Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple

6.Trace mode = max hold

7.Trace was allowed to stabilize

**Table 1 - RBW as a function of frequency**

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

### **Average Field Strength Measurements**

1.Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2.RBW = 1MHz

3.VBW  $\geq 1/T$

4.De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to “Voltage” regardless of the display mode

5.Detector = Peak

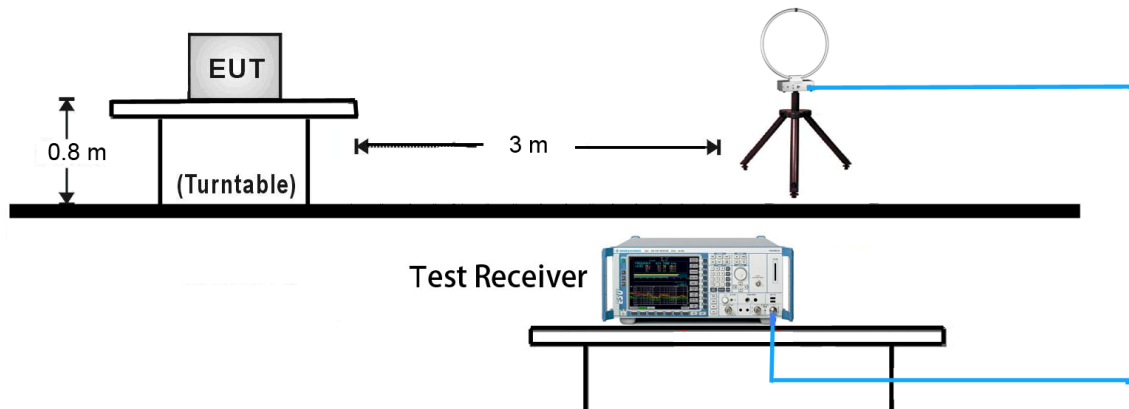
6.Sweep time = auto

7.Trace mode = max hold

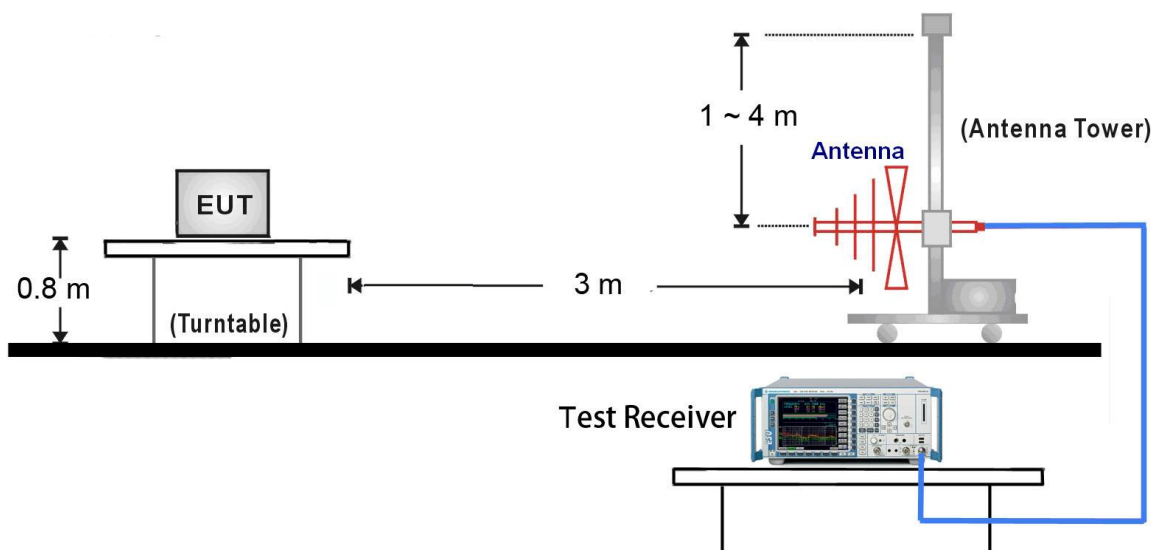
8.Allow max hold to run for at least 50 times (1/duty cycle) traces

#### 7.6.4. Test Setup

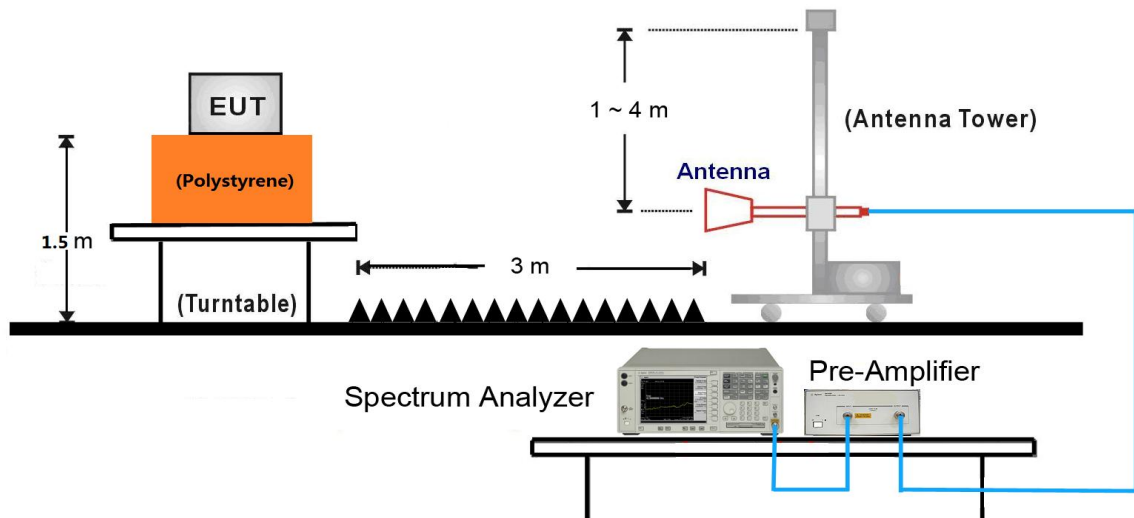
##### 9kHz ~ 30MHz Test Setup:



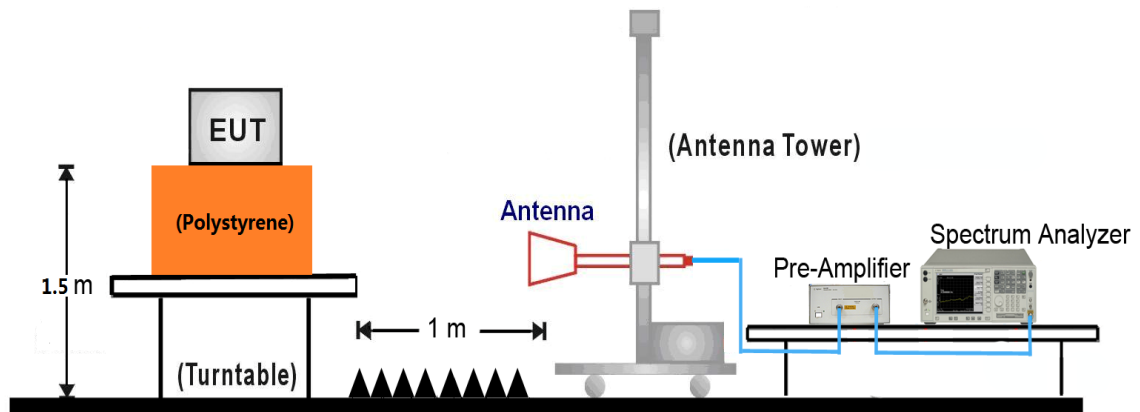
##### 30MHz ~ 1GHz Test Setup:



### 1GHz ~ 18GHz Test Setup:



### 18GHz ~ 25GHz Test Setup:



### 7.6.5. Test Result

Test Mode:	802.11b – Ant 0+1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4825.0	41.7	2.7	44.4	74.0	-29.6	Peak	Horizontal
	7341.0	36.6	8.0	44.6	74.0	-29.4	Peak	Horizontal
*	8701.0	35.8	9.0	44.8	80.2	-35.4	Peak	Horizontal
*	9746.5	35.5	11.3	46.8	80.2	-33.4	Peak	Horizontal
	4825.0	43.8	2.7	46.5	74.0	-27.5	Peak	Vertical
	7519.5	37.3	8.3	45.6	74.0	-28.4	Peak	Vertical
*	8658.5	36.1	8.8	44.9	80.2	-35.3	Peak	Vertical
*	9755.0	35.0	11.4	46.4	80.2	-33.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (100.2dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre-Amplifier Gain (dB)



Test Mode:	802.11b – Ant 0+1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	39.4	2.7	42.1	74.0	-31.9	Peak	Horizontal
	7647.0	36.9	8.0	44.9	74.0	-29.1	Peak	Horizontal
*	8658.5	35.8	8.8	44.6	79.8	-35.2	Peak	Horizontal
*	9772.0	35.1	11.4	46.5	79.8	-33.3	Peak	Horizontal
	4876.0	45.7	2.7	48.4	74.0	-25.6	Peak	Vertical
	7494.0	36.3	8.2	44.5	74.0	-29.5	Peak	Vertical
*	8735.0	35.2	8.9	44.1	79.8	-35.7	Peak	Vertical
*	9729.5	34.4	11.1	45.5	79.8	-34.3	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (99.8dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre-Amplifier Gain (dB)

Test Mode:	802.11b – Ant 0+1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4927.0	40.5	2.8	43.3	74.0	-30.7	Peak	Horizontal
	7553.5	36.5	8.3	44.8	74.0	-29.2	Peak	Horizontal
*	8760.5	35.7	9.0	44.7	79.3	-34.6	Peak	Horizontal
*	9729.5	35.4	11.1	46.5	79.3	-32.8	Peak	Horizontal
	4927.0	46.7	2.8	49.5	74.0	-24.5	Peak	Vertical
	7400.5	36.8	7.9	44.7	74.0	-29.3	Peak	Vertical
*	8905.0	35.9	9.2	45.1	79.3	-34.2	Peak	Vertical
*	9763.5	35.0	11.4	46.4	79.3	-32.9	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (99.3dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre-Amplifier Gain (dB)

Test Mode:	802.11g – Ant 0+1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4825.0	36.9	2.7	39.6	74.0	-34.4	Peak	Horizontal
	7519.5	36.9	8.3	45.2	74.0	-28.8	Peak	Horizontal
*	8556.5	35.6	8.6	44.2	82.0	-37.8	Peak	Horizontal
*	9636.0	34.9	11.0	45.9	82.0	-36.1	Peak	Horizontal
	4825.0	47.3	2.7	50.0	74.0	-24.0	Peak	Vertical
	7443.0	36.7	8.0	44.7	74.0	-29.3	Peak	Vertical
*	8675.5	35.1	8.9	44.0	82.0	-38.0	Peak	Vertical
*	9746.5	34.8	11.3	46.1	82.0	-35.9	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.0dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre-Amplifier Gain (dB)

Test Mode:	802.11g – Ant 0+1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	40.2	2.7	42.9	74.0	-31.1	Peak	Horizontal
	7621.5	37.1	8.0	45.1	74.0	-28.9	Peak	Horizontal
*	8777.5	35.3	8.9	44.2	82.1	-37.9	Peak	Horizontal
*	9755.0	35.6	11.4	47.0	82.1	-35.1	Peak	Horizontal
	4867.5	41.8	2.7	44.5	74.0	-29.5	Peak	Vertical
	7570.5	34.4	8.2	42.6	74.0	-31.4	Peak	Vertical
*	8616.0	35.2	8.8	44.0	82.1	-38.1	Peak	Vertical
*	9797.5	34.3	11.5	45.8	82.1	-36.3	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.1dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre-Amplifier Gain (dB)

Test Mode:	802.11g – Ant 0+1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4927.0	38.8	2.8	41.6	74.0	-32.4	Peak	Horizontal
	7341.0	36.8	8.0	44.8	74.0	-29.2	Peak	Horizontal
*	8845.5	34.9	9.1	44.0	82.0	-38.0	Peak	Horizontal
*	9755.0	34.4	11.4	45.8	82.0	-36.2	Peak	Horizontal
	4918.5	41.2	2.8	44.0	74.0	-30.0	Peak	Vertical
	7485.5	36.5	8.2	44.7	74.0	-29.3	Peak	Vertical
*	8692.5	35.6	9.0	44.6	82.0	-37.4	Peak	Vertical
*	9653.0	34.6	11.0	45.6	82.0	-36.4	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.0dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre-Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4816.5	37.2	2.7	39.9	74.0	-34.1	Peak	Horizontal
	7307.0	36.4	8.0	44.4	74.0	-29.6	Peak	Horizontal
*	8777.5	35.3	8.9	44.2	81.2	-37.0	Peak	Horizontal
*	9746.5	35.8	11.3	47.1	81.2	-34.1	Peak	Horizontal
	4833.5	45.1	2.7	47.8	74.0	-26.2	Peak	Vertical
	7638.5	37.1	8.0	45.1	74.0	-28.9	Peak	Vertical
*	8692.5	35.3	9.0	44.3	81.2	-36.9	Peak	Vertical
*	9763.5	35.0	11.4	46.4	81.2	-34.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (101.2dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre-Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	38.7	2.7	41.4	74.0	-32.6	Peak	Horizontal
	7536.5	36.9	8.3	45.2	74.0	-28.8	Peak	Horizontal
*	8684.0	35.0	9.0	44.0	81.4	-37.4	Peak	Horizontal
*	9882.5	35.0	11.6	46.6	81.4	-34.8	Peak	Horizontal
	4876.0	44.1	2.7	46.8	74.0	-27.2	Peak	Vertical
	7511.0	35.9	8.3	44.2	74.0	-29.8	Peak	Vertical
*	8803.0	35.0	8.9	43.9	81.4	-37.5	Peak	Vertical
*	9789.0	34.2	11.4	45.6	81.4	-35.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (101.4dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre-Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4927.0	37.9	2.8	40.7	74.0	-33.3	Peak	Horizontal
	7468.5	36.4	8.1	44.5	74.0	-29.5	Peak	Horizontal
*	8539.5	36.1	8.5	44.6	79.8	-35.2	Peak	Horizontal
*	9891.0	35.3	11.6	46.9	79.8	-32.9	Peak	Horizontal
	4927.0	43.7	2.8	46.5	74.0	-27.5	Peak	Vertical
	7545.0	35.7	8.3	44.0	74.0	-30.0	Peak	Vertical
*	8718.0	35.5	9.0	44.5	79.8	-35.3	Peak	Vertical
*	9746.5	34.7	11.3	46.0	79.8	-33.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (99.8dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre-Amplifier Gain (dB)



Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	03	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4842.0	37.2	2.7	39.9	74.0	-34.1	Peak	Horizontal
	7477.0	36.0	8.2	44.2	74.0	-29.8	Peak	Horizontal
*	8633.0	35.4	8.8	44.2	78.3	-34.1	Peak	Horizontal
*	9763.5	34.7	11.4	46.1	78.3	-32.2	Peak	Horizontal
	4842.0	40.6	2.7	43.3	74.0	-30.7	Peak	Vertical
	7604.5	37.0	8.1	45.1	74.0	-28.9	Peak	Vertical
*	8658.5	35.0	8.8	43.8	78.3	-34.5	Peak	Vertical
*	9797.5	35.0	11.5	46.5	78.3	-31.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (98.3dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre-Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4884.5	36.9	2.7	39.6	74.0	-34.4	Peak	Horizontal
	7502.5	36.6	8.3	44.9	74.0	-29.1	Peak	Horizontal
*	8565.0	35.8	8.7	44.5	77.8	-33.3	Peak	Horizontal
*	9636.0	34.7	11.0	45.7	77.8	-32.1	Peak	Horizontal
	4867.5	42.6	2.7	45.3	74.0	-28.7	Peak	Vertical
	7570.5	36.4	8.2	44.6	74.0	-29.4	Peak	Vertical
*	8769.0	35.1	8.9	44.0	77.8	-33.8	Peak	Vertical
*	9959.0	35.0	11.4	46.4	77.8	-31.4	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (97.8dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre-Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	09	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4850.5	36.0	2.7	38.7	74.0	-35.3	Peak	Horizontal
	7553.5	36.2	8.3	44.5	74.0	-29.5	Peak	Horizontal
*	8667.0	34.8	8.9	43.7	77.5	-33.8	Peak	Horizontal
*	9959.0	35.0	11.4	46.4	77.5	-31.1	Peak	Horizontal
	4901.5	42.9	2.7	45.6	74.0	-28.4	Peak	Vertical
	7511.0	35.9	8.3	44.2	74.0	-29.8	Peak	Vertical
*	8854.0	35.5	9.1	44.6	77.5	-32.9	Peak	Vertical
*	10324.5	34.8	12.1	46.9	77.5	-30.6	Peak	Vertical

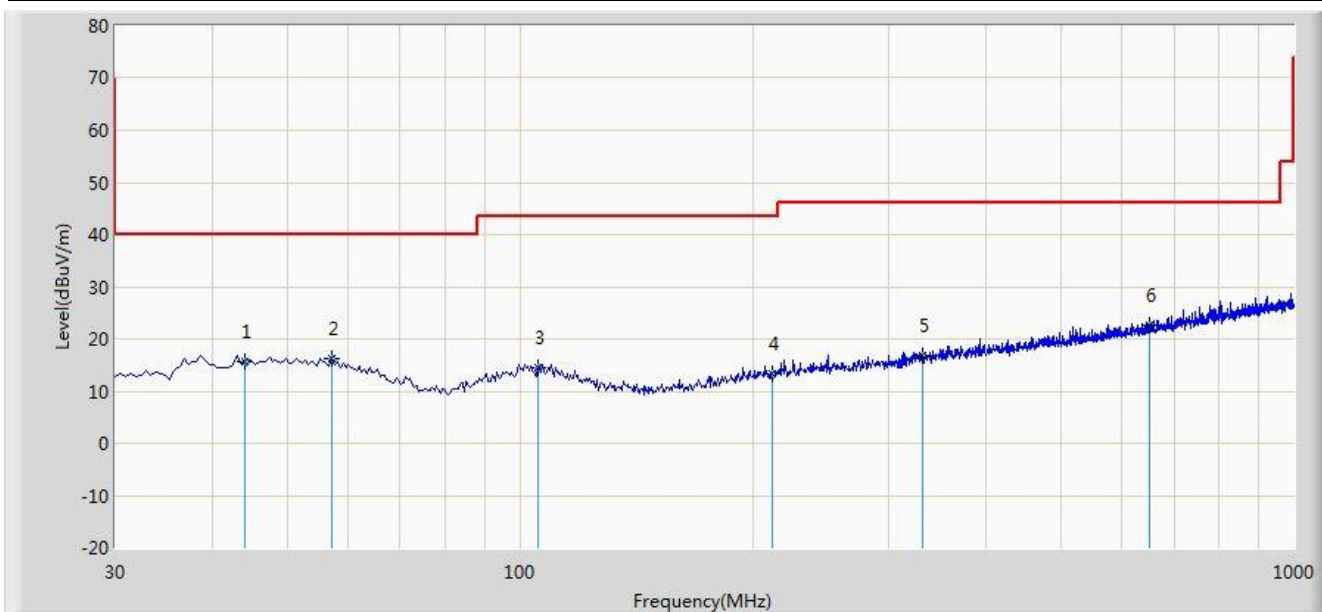
Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (97.5dBμV/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre-Amplifier Gain (dB)

### The worst case of Radiated Emission below 1GHz:

Site: AC 1	Time: 2015/10/18 - 16:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
<b>Worse Case Mode:</b> Transmit by 802.11g at channel 2412MHz	

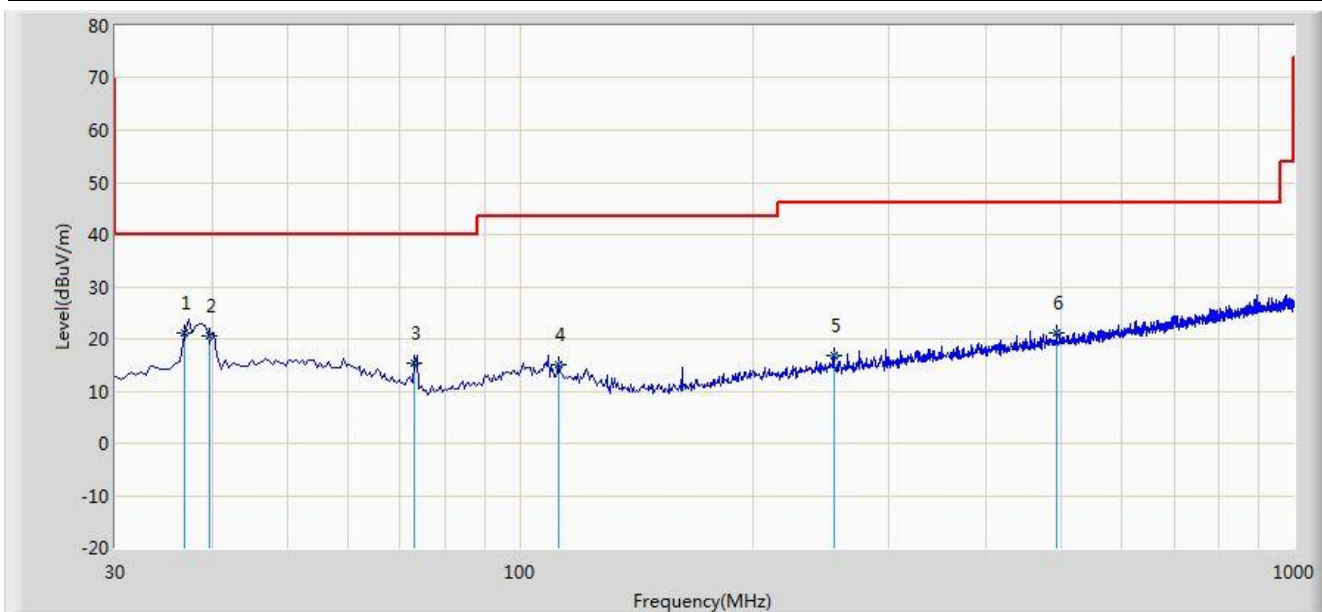


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			44.065	15.581	0.966	-24.419	40.000	14.615	QP
2			57.160	16.316	2.001	-23.684	40.000	14.315	QP
3			105.660	14.620	1.568	-28.880	43.500	13.052	QP
4			211.875	13.430	1.010	-30.070	43.500	12.421	QP
5			331.185	16.727	1.383	-29.273	46.000	15.344	QP
6		*	649.830	22.745	2.172	-23.255	46.000	20.573	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC 1	Time: 2015/10/18 - 16:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
<b>Worse Case Mode:</b> Transmit by 802.11g at channel 2412MHz	

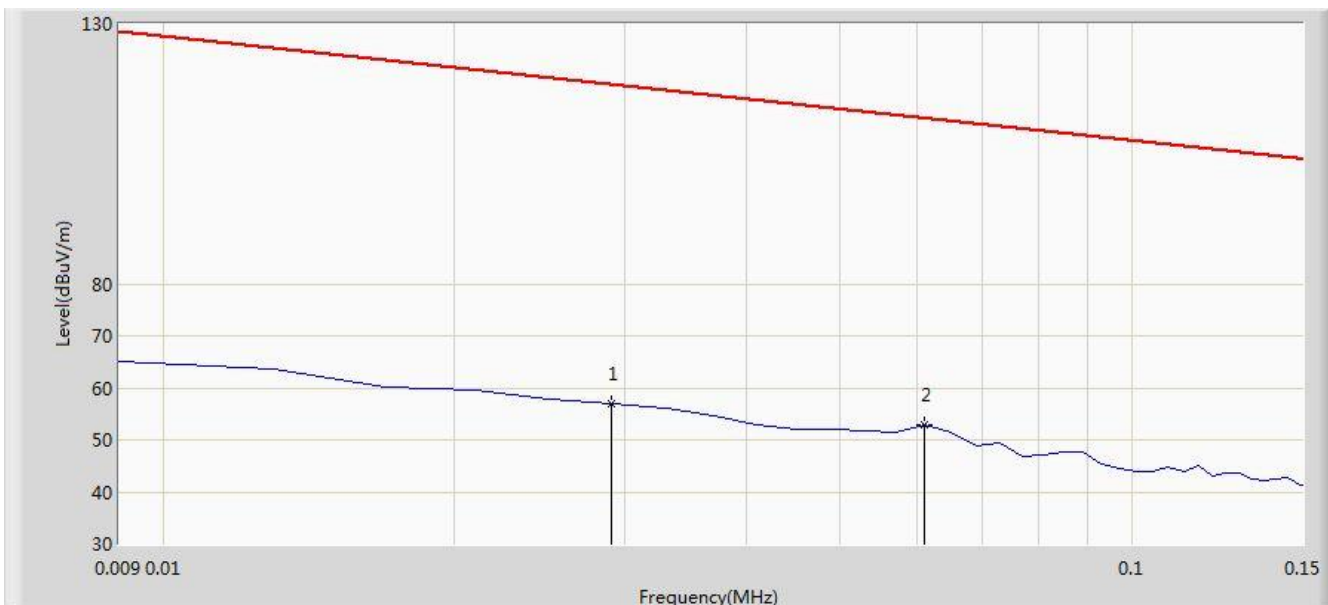


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	36.790	21.249	8.007	-18.751	40.000	13.242	QP
2			39.700	20.633	6.846	-19.367	40.000	13.787	QP
3			73.165	15.505	5.368	-24.495	40.000	10.137	QP
4			112.450	15.128	2.654	-28.372	43.500	12.474	QP
5			254.555	16.805	3.070	-29.195	46.000	13.735	QP
6			494.145	21.035	2.893	-24.965	46.000	18.142	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2015/10/17 - 09:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: wifi adapter	Power: By PC
<b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b>	

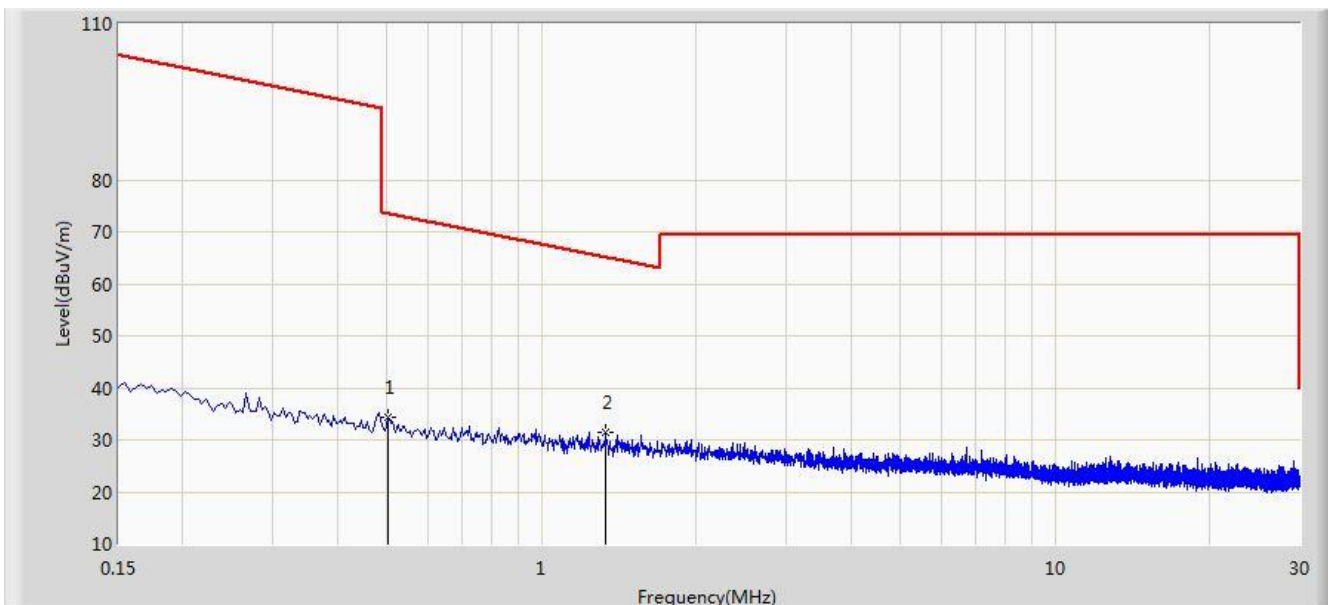


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.893	35.844	-61.463	118.356	21.049	QP
2		*	0.061	52.853	32.542	-59.045	111.898	20.311	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2015/10/17 - 09:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: wifi adapter	Power: By PC
<b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b>	

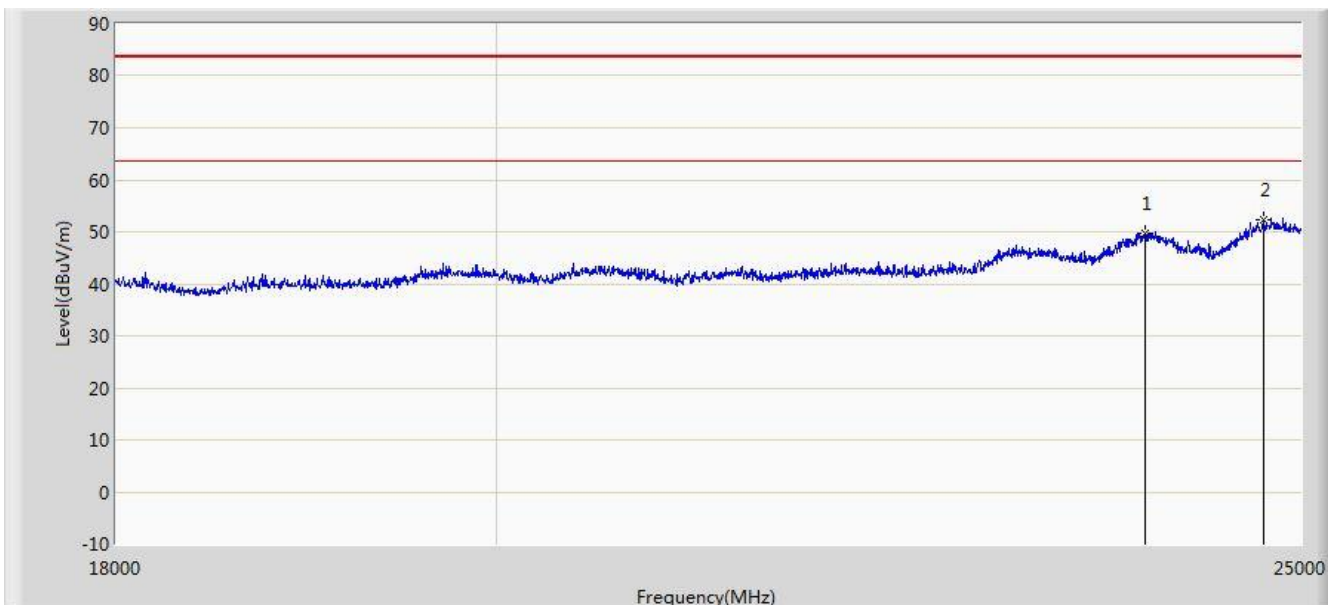


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.502	34.370	13.947	-39.220	73.590	20.423	QP
2		*	1.334	31.595	11.104	-33.530	65.125	20.491	QP

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2015/10/17 - 10:21
Limit: FCC_Part15.209_RE(1m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
<b>Note: There is the ambient noise within frequency range 18GHz~25GHz.</b>	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			23943.000	49.776	35.866	-33.724	83.500	13.910	PK
2		*	24741.000	52.375	37.681	-31.125	83.500	14.694	PK

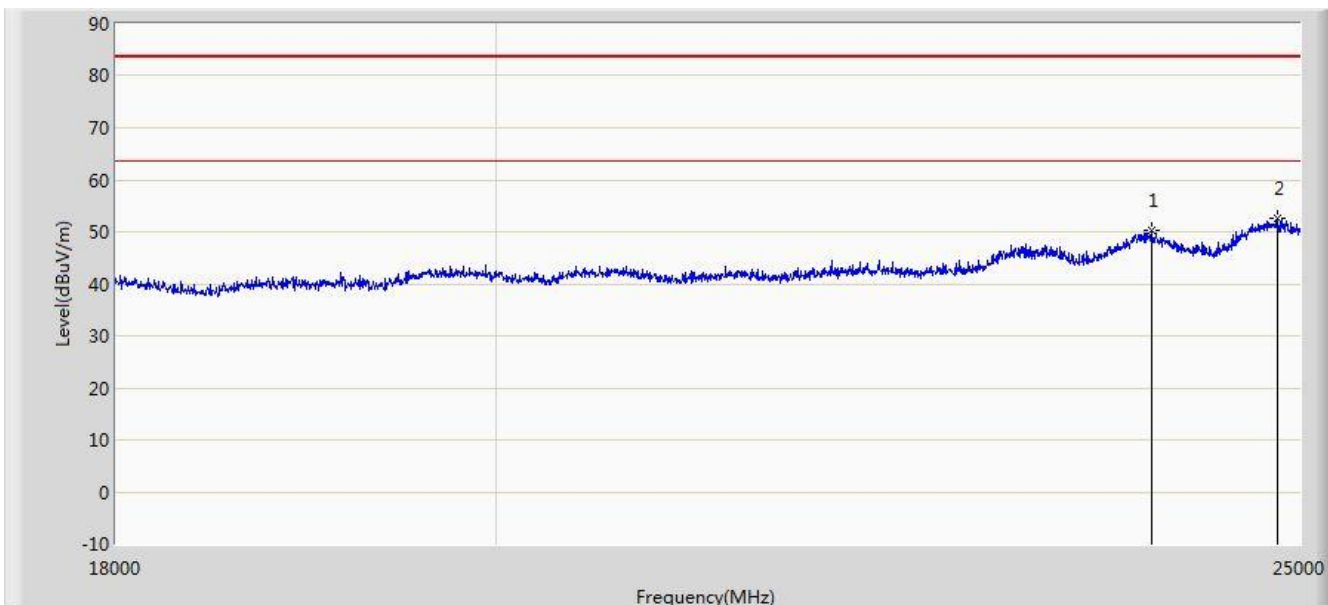
Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre-Amplifier Gain (dB)

Limit@1m = 20\*Log(500uV/m) + 20\*Log(3m/1m) = 63.5dBuV/m (Average detector), and 83.5dBuV/m (Peak detector).



Site: AC1	Time: 2015/10/17 - 10:21
Limit: FCC_Part15.209_RE(1m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
<b>Note: There is the ambient noise within frequency range 18GHz~25GHz.</b>	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			23999.000	50.379	36.435	-33.121	83.500	13.944	PK
2		*	24846.000	52.503	37.735	-30.997	83.500	14.768	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

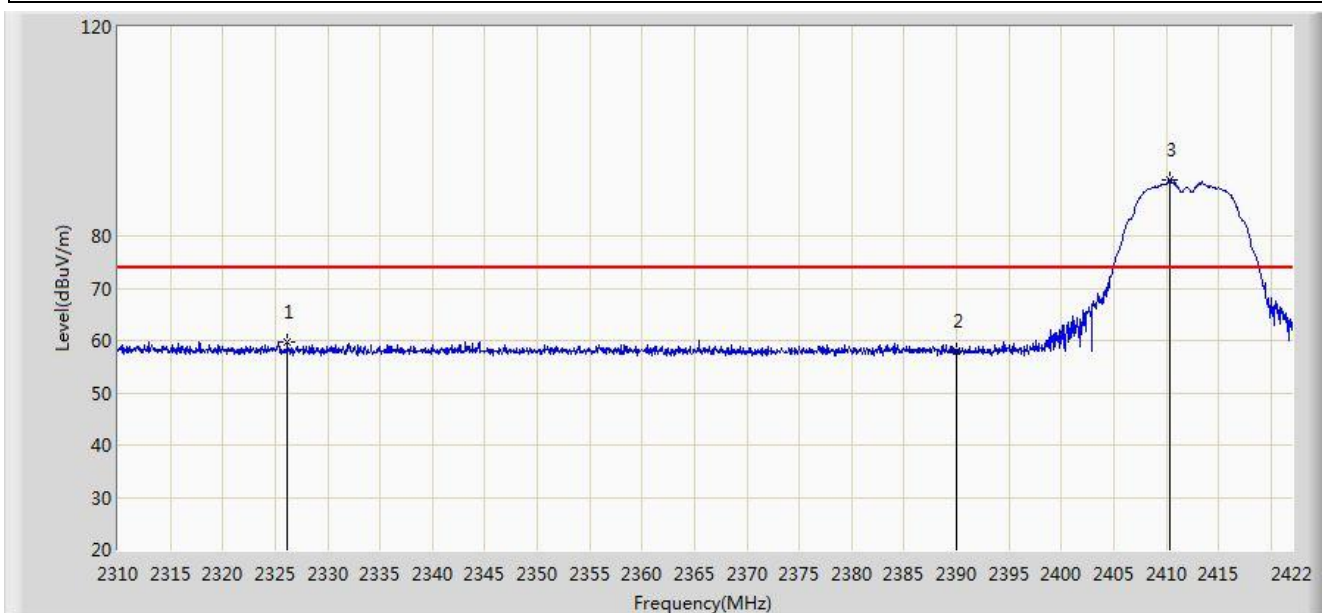
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre-Amplifier Gain (dB)

Limit@1m = 20\*Log(500uV/m) + 20\*Log(3m/1m) = 63.5dBμv/m (Average detector), and 83.5dBμv/m (Peak detector).

## 7.7. Radiated Restricted Band Edge Measurement

### 7.7.1. Test Result

Site: AC1	Time: 2015/10/22 - 11:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0+1	

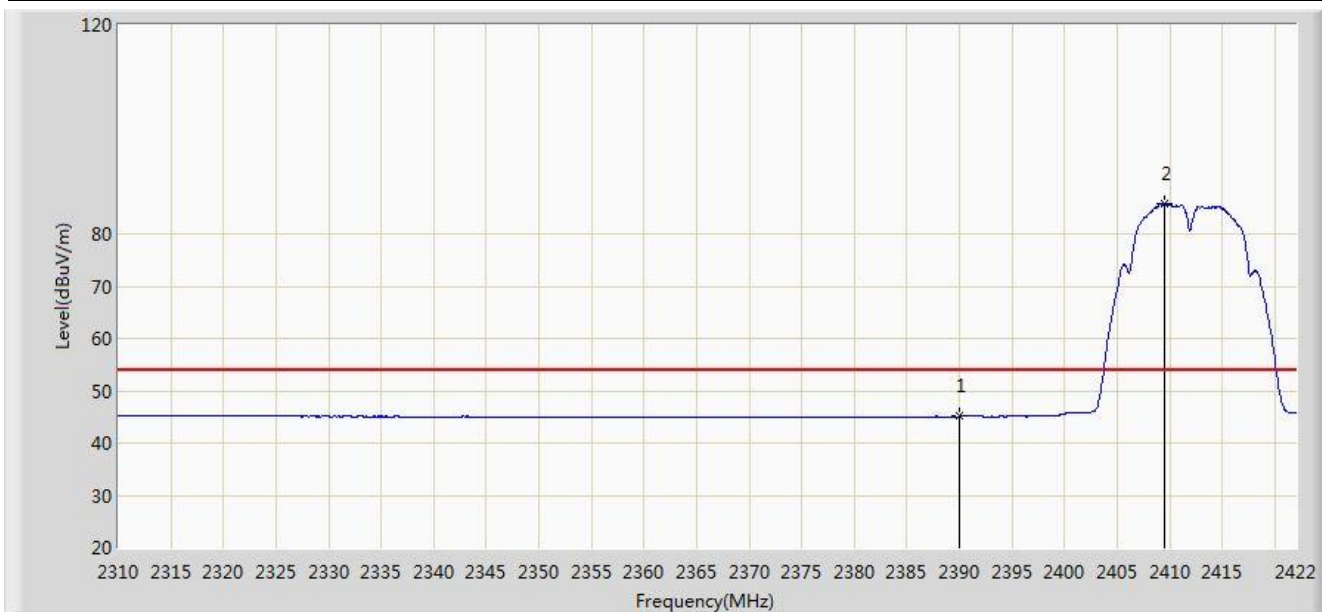


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2326.128	59.793	28.399	-14.207	74.000	31.394	PK
2			2390.000	57.907	26.704	-16.093	74.000	31.203	PK
3		*	2410.352	90.693	59.521	N/A	N/A	31.172	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0+1	

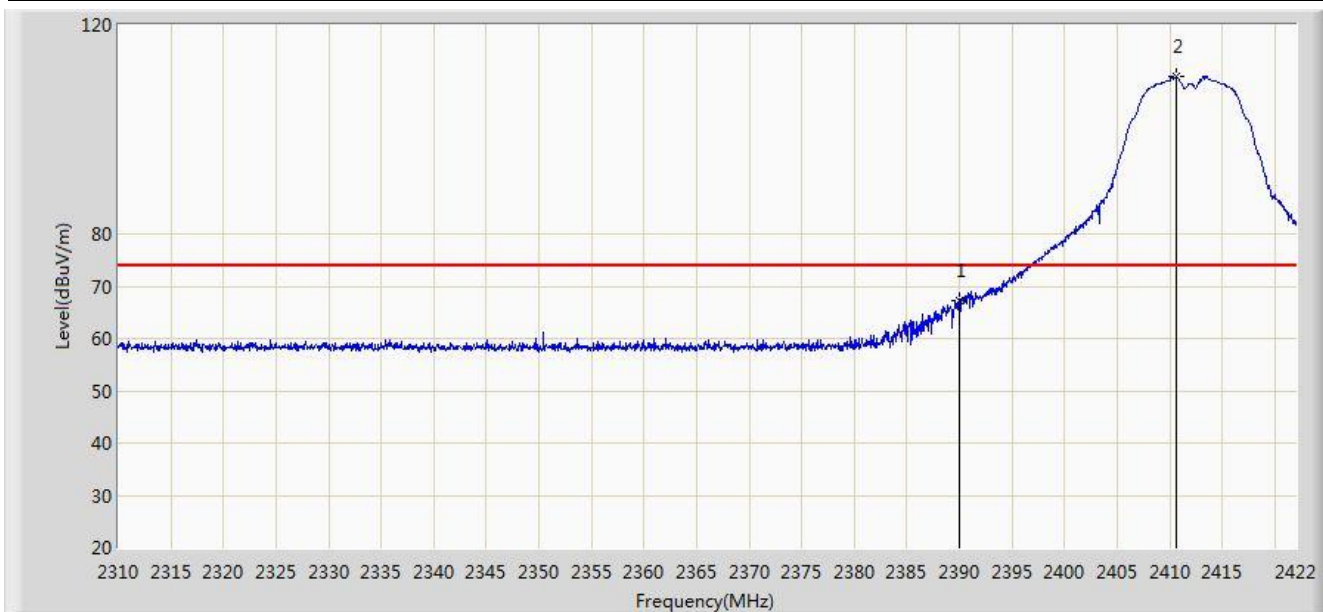


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.079	13.876	-8.921	54.000	31.203	AV
2		*	2409.456	85.688	54.515	N/A	N/A	31.173	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0+1	

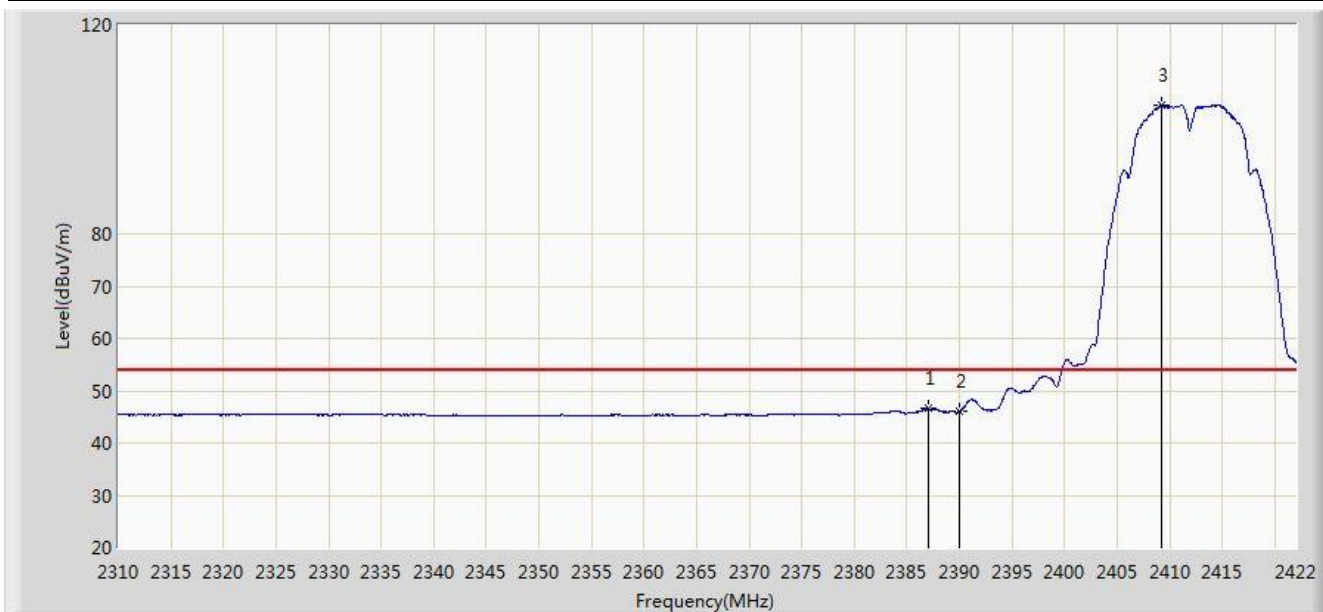


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	67.272	36.069	-6.728	74.000	31.203	PK
2		*	2410.576	110.224	79.052	N/A	N/A	31.172	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0+1	

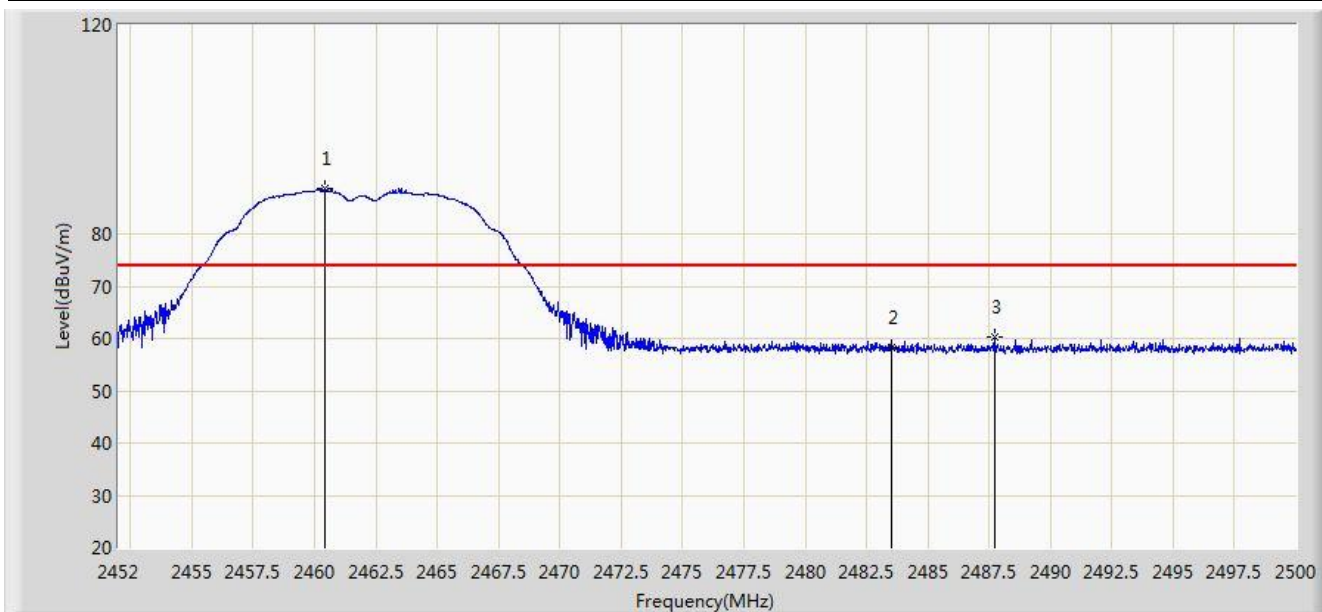


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.112	46.562	15.354	-7.438	54.000	31.208	AV
2			2390.000	46.046	14.843	-7.954	54.000	31.203	AV
3		*	2409.176	104.662	73.488	N/A	N/A	31.174	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.448	88.707	57.574	N/A	N/A	31.133	PK
2			2483.500	58.170	26.977	-15.830	74.000	31.194	PK
3			2487.712	60.360	29.156	-13.640	74.000	31.204	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0+1	

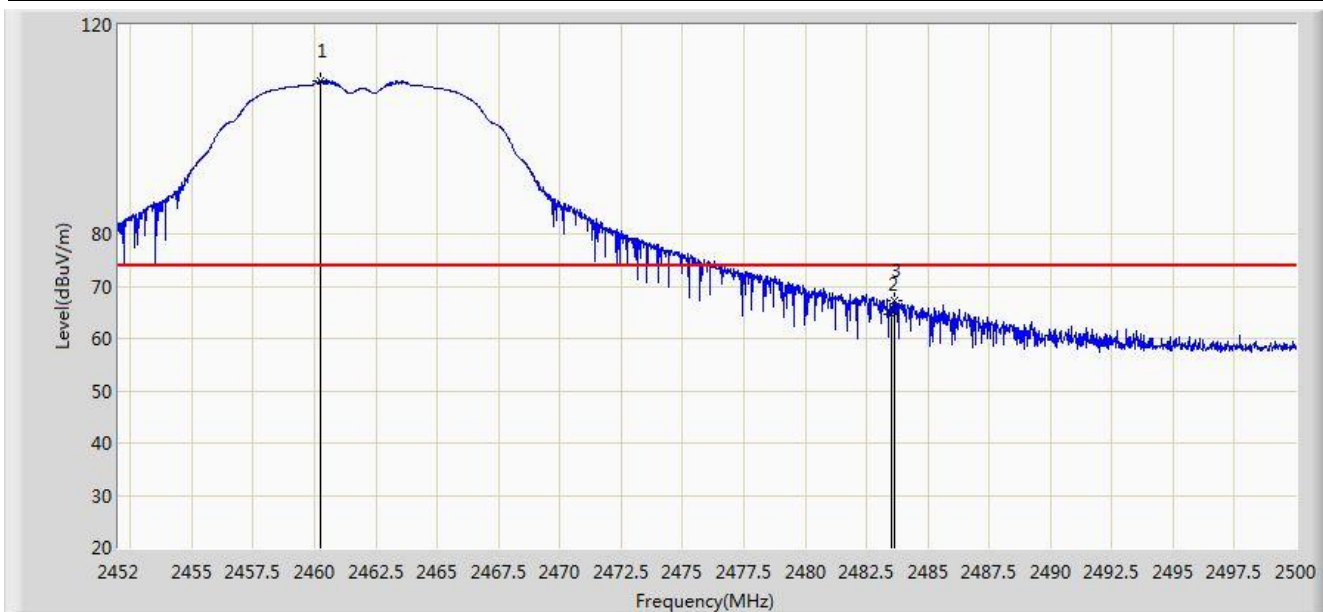


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.240	83.633	52.499	N/A	N/A	31.134	AV
2			2483.500	45.124	13.931	-8.876	54.000	31.194	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.256	109.328	78.196	N/A	N/A	31.132	PK
2			2483.500	64.560	33.367	-9.440	74.000	31.194	PK
3			2483.656	67.179	35.985	-6.821	74.000	31.194	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: AC1	Time: 2015/10/22 - 11:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0+1	

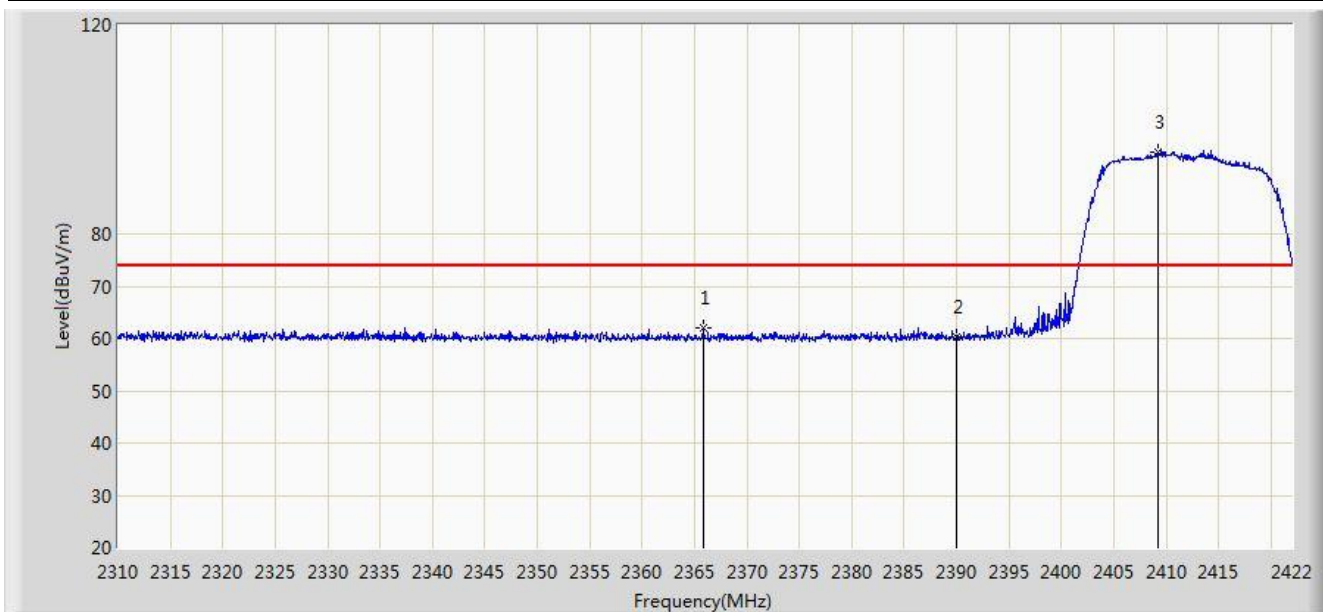


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.680	104.113	72.982	N/A	N/A	31.131	AV
2			2483.500	47.476	16.283	-6.524	54.000	31.194	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0+1	

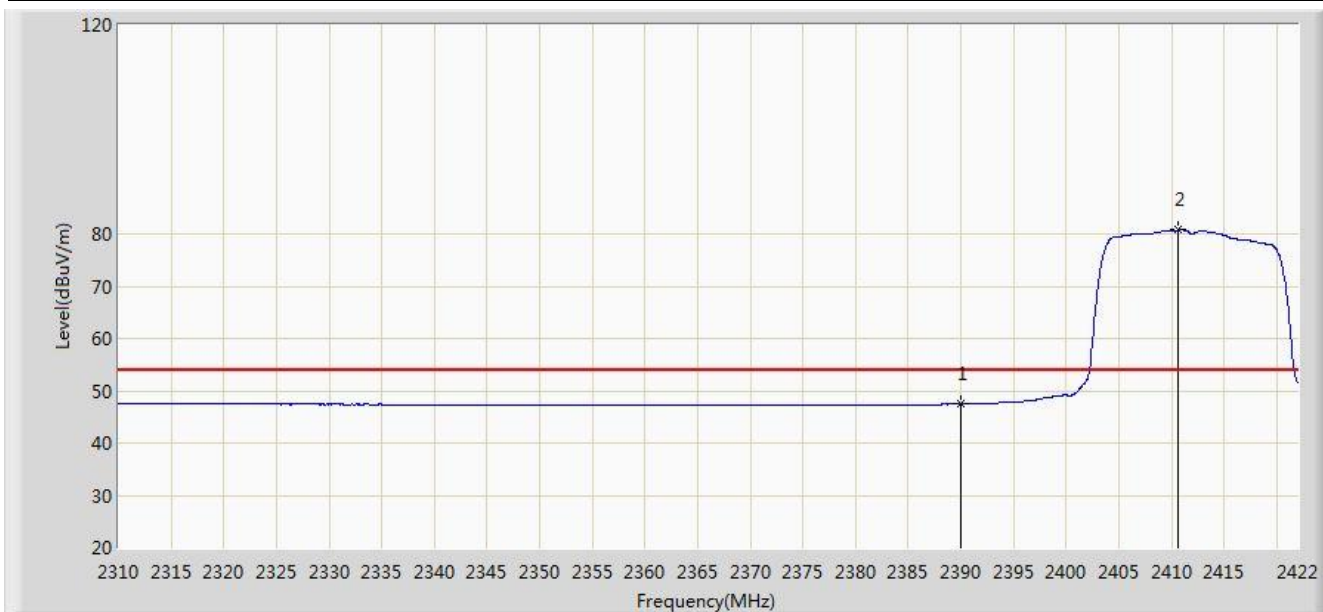


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2365.832	61.996	30.748	-12.004	74.000	31.248	PK
2			2390.000	60.366	29.163	-13.634	74.000	31.203	PK
3		*	2409.176	95.697	64.523	N/A	N/A	31.174	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0+1	

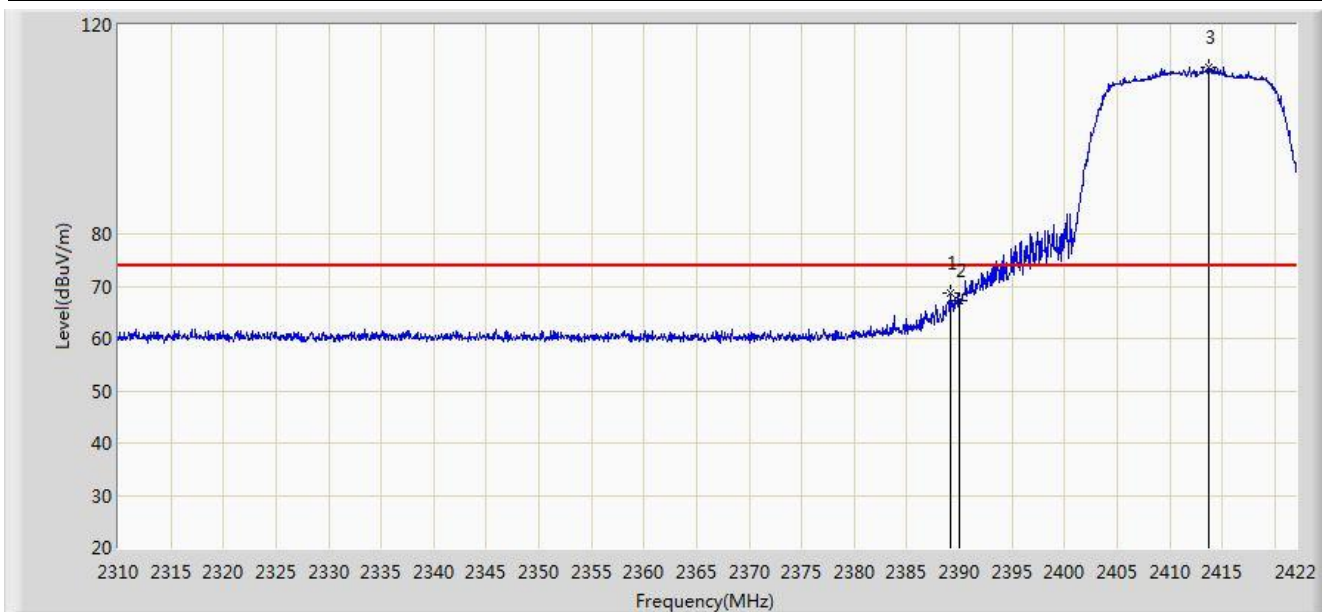


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.469	16.266	-6.531	54.000	31.203	AV
2		*	2410.632	80.728	49.556	N/A	N/A	31.172	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0+1	

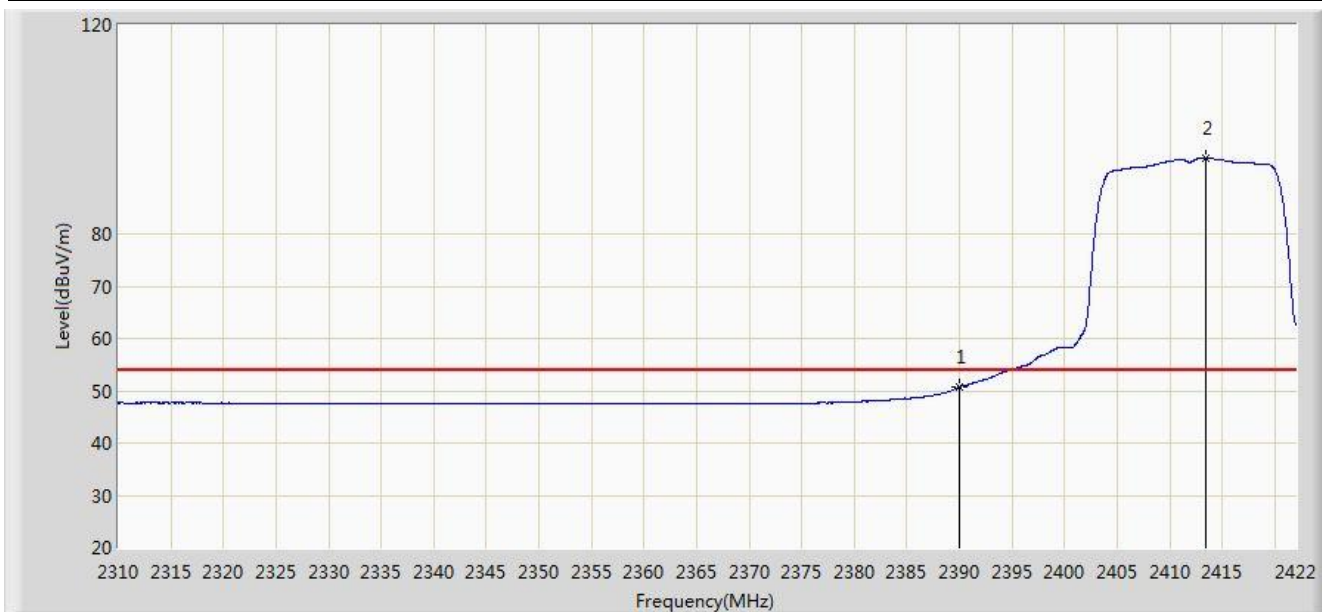


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.128	68.667	37.463	-5.333	74.000	31.204	PK
2			2390.000	67.284	36.081	-6.716	74.000	31.203	PK
3		*	2413.768	111.972	80.805	N/A	N/A	31.167	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0+1	

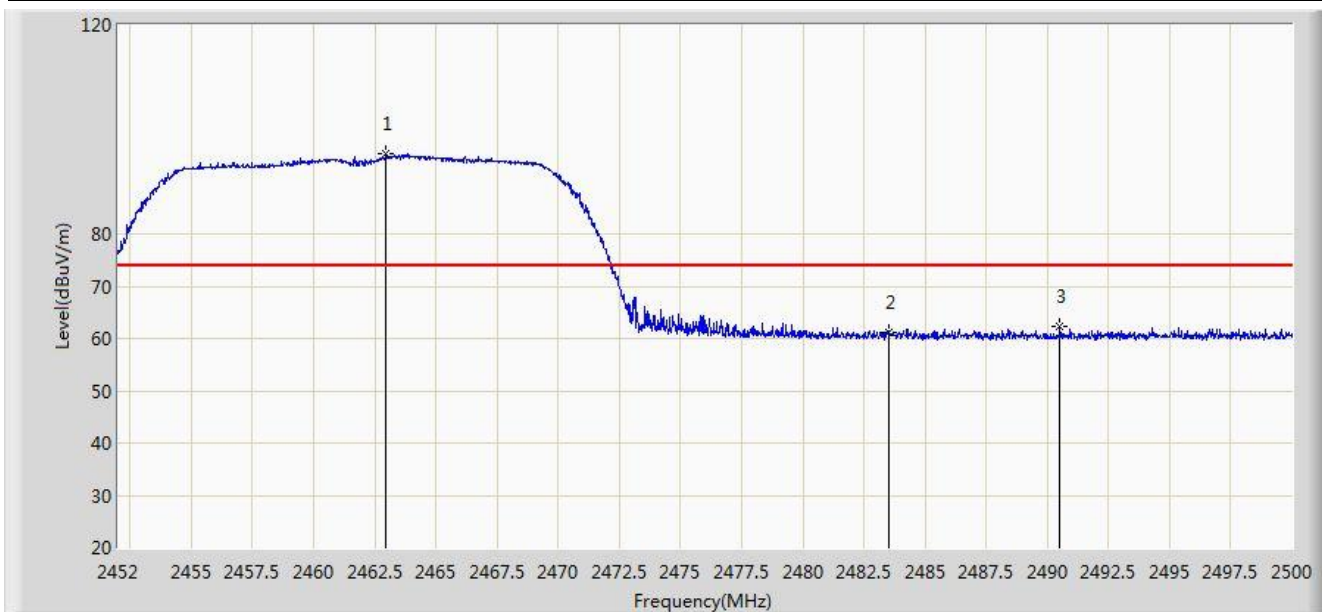


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.758	19.555	-3.242	54.000	31.203	AV
2		*	2413.432	94.465	63.298	N/A	N/A	31.168	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0+1	

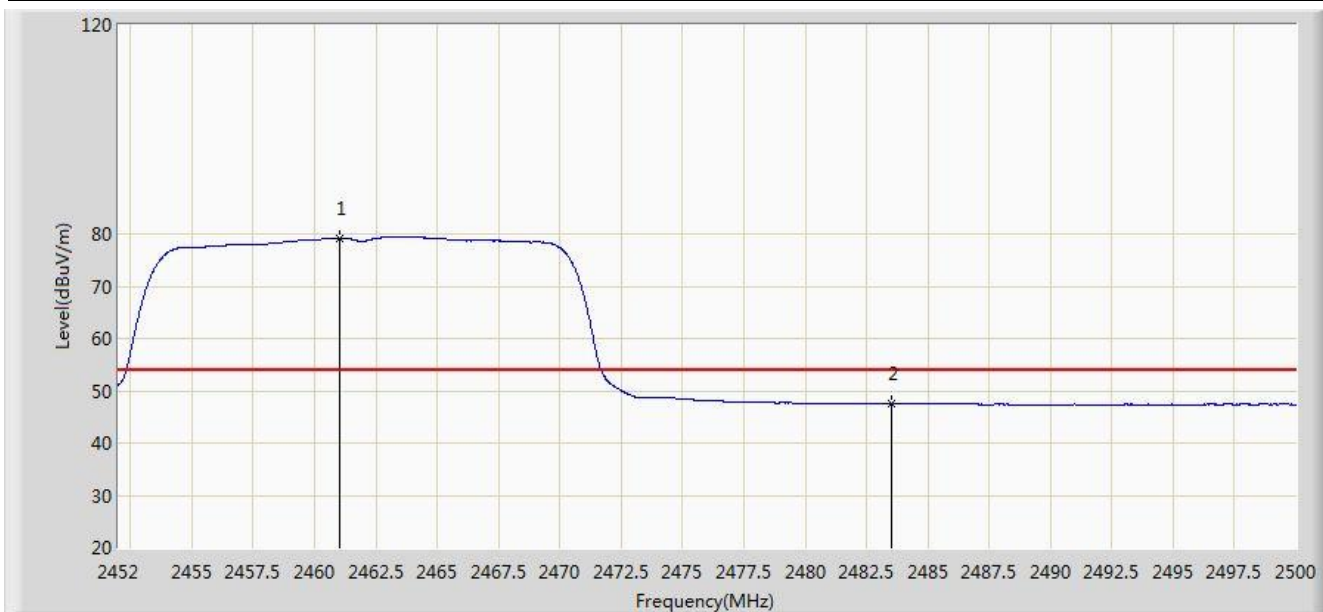


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.968	95.495	64.358	N/A	N/A	31.137	PK
2			2483.500	61.143	29.950	-12.857	74.000	31.194	PK
3			2490.520	62.245	31.033	-11.755	74.000	31.211	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0+1	

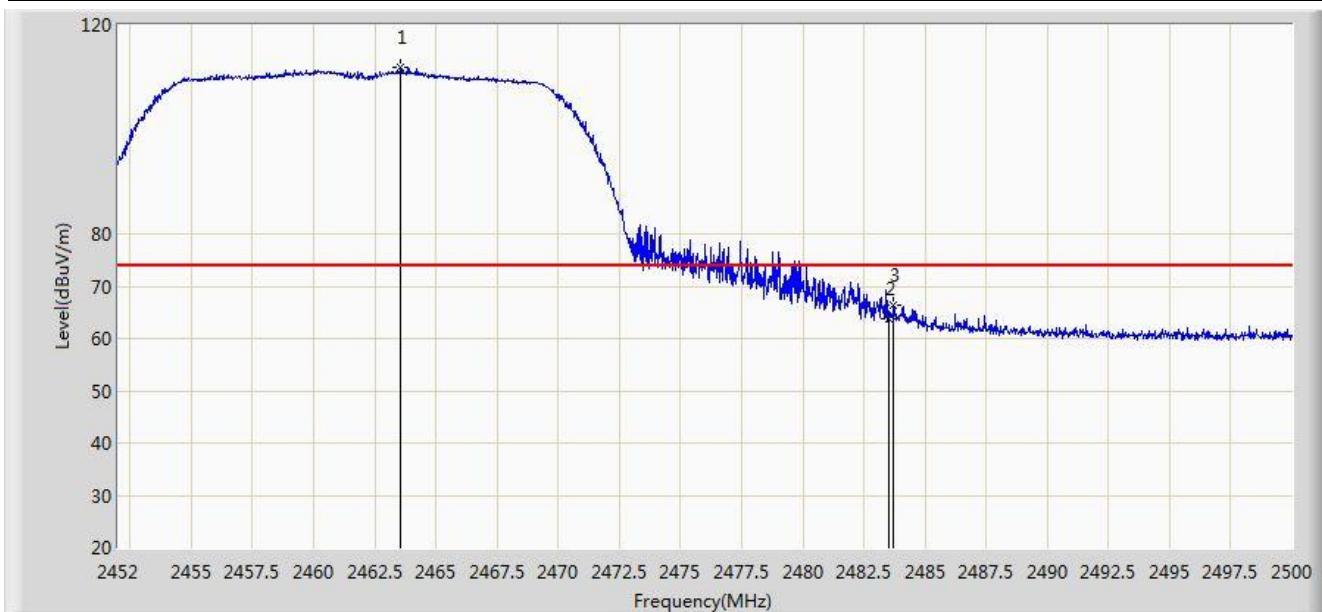


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.000	79.198	48.064	N/A	N/A	31.133	AV
2			2483.500	47.463	16.270	-6.537	54.000	31.194	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0+1	



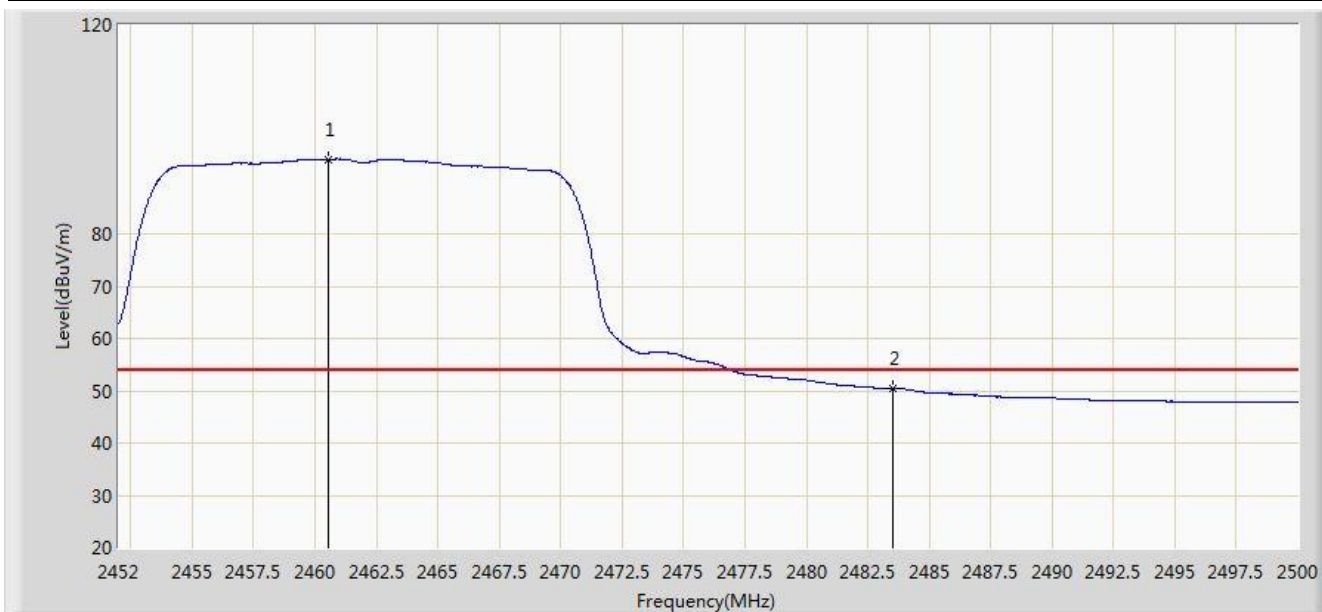
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.568	112.028	80.890	N/A	N/A	31.139	PK
2			2483.500	63.761	32.568	-10.239	74.000	31.194	PK
3			2483.728	66.267	35.073	-7.733	74.000	31.194	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: AC1	Time: 2015/10/22 - 11:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0+1	

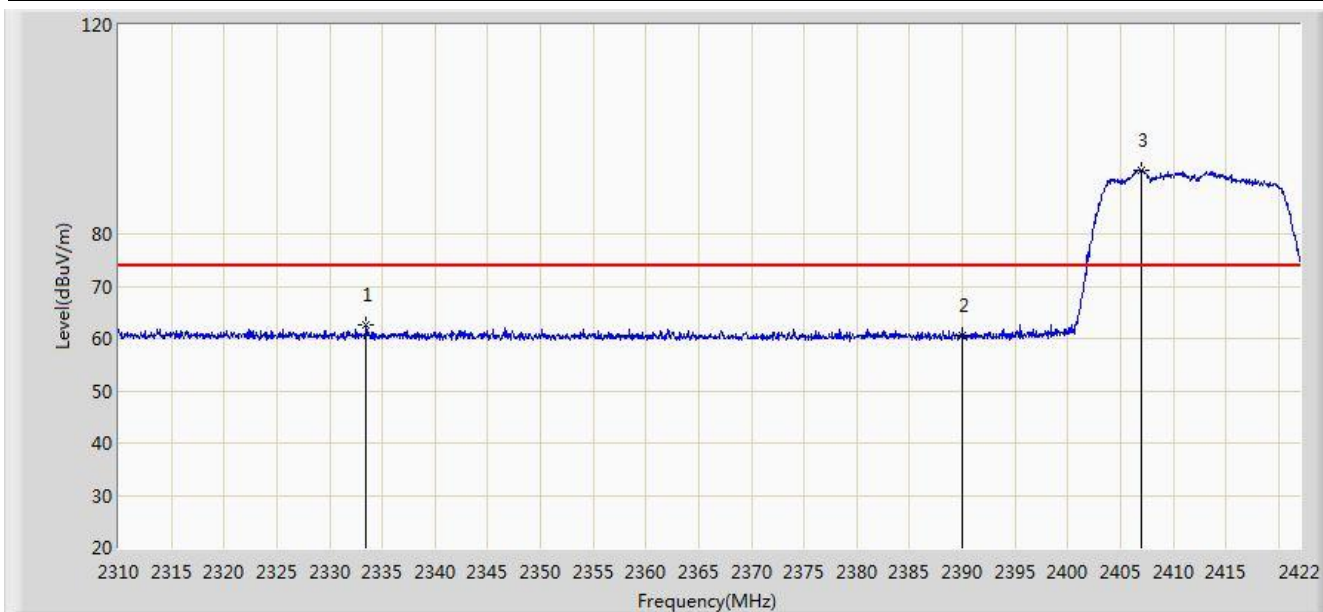


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.568	94.256	63.123	N/A	N/A	31.133	AV
2			2483.500	50.432	19.239	-3.568	54.000	31.194	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0+1	

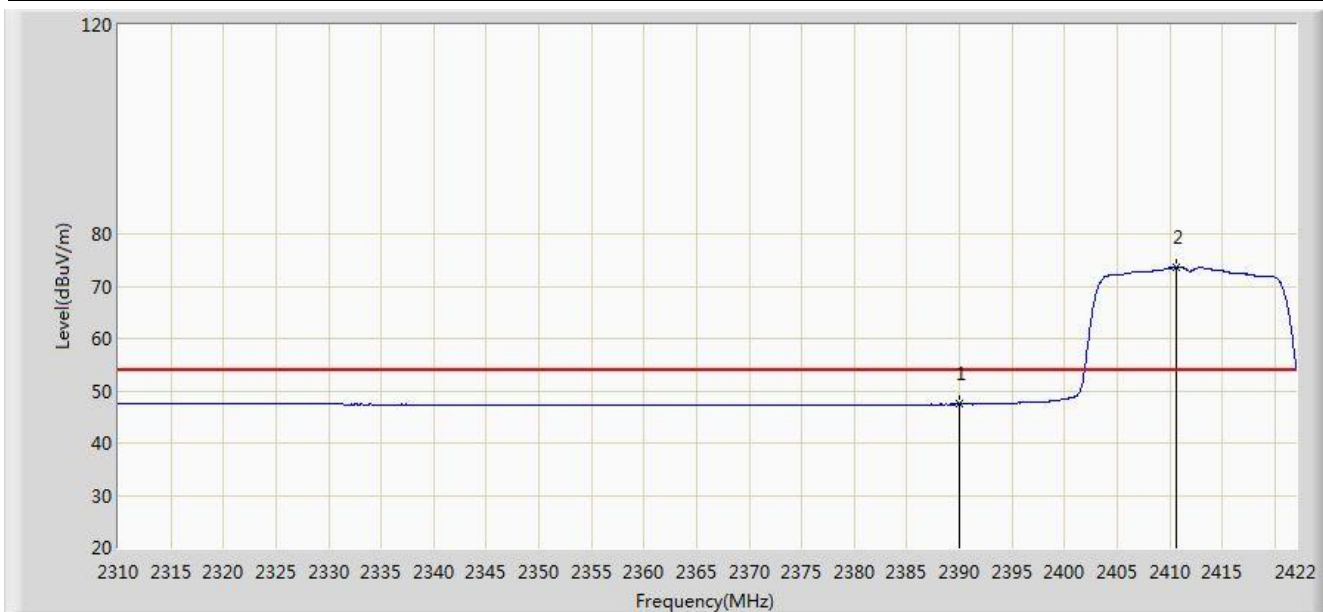


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2333.464	62.499	31.139	-11.501	74.000	31.360	PK
2			2390.000	60.675	29.472	-13.325	74.000	31.203	PK
3		*	2406.936	92.215	61.038	N/A	N/A	31.177	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0+1	

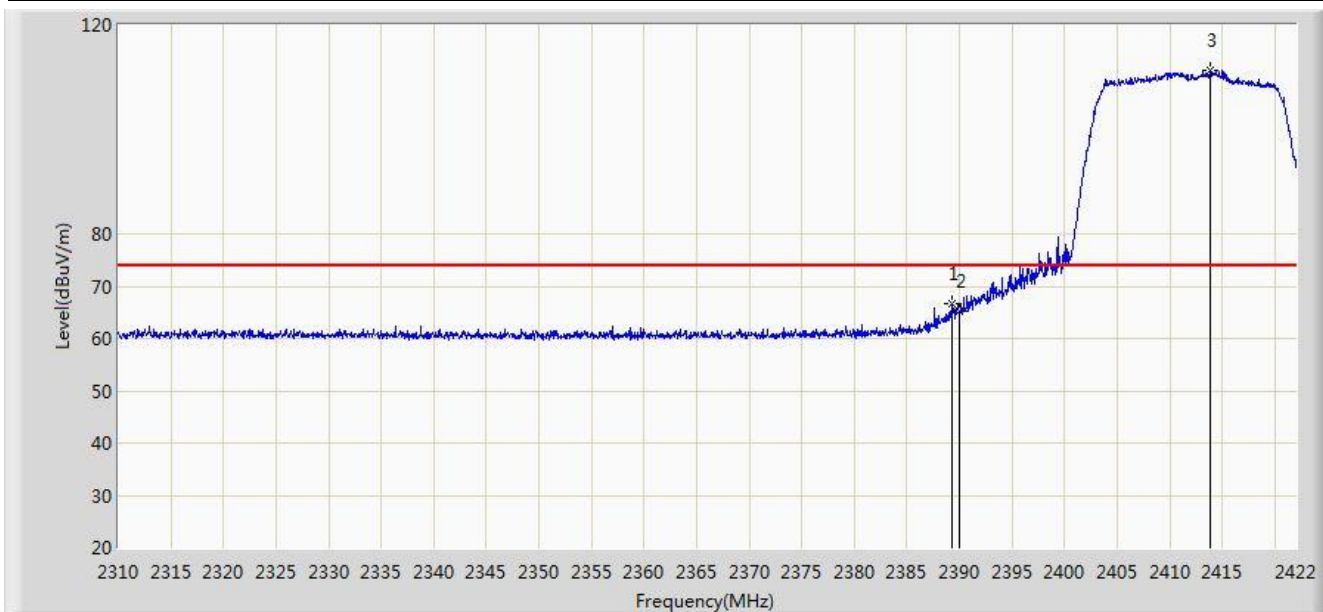


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2390.000	47.423	16.220	-6.577	54.000	31.203	AV
			2410.576	77.217	46.047	N/A	N/A	31.170	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0+1	

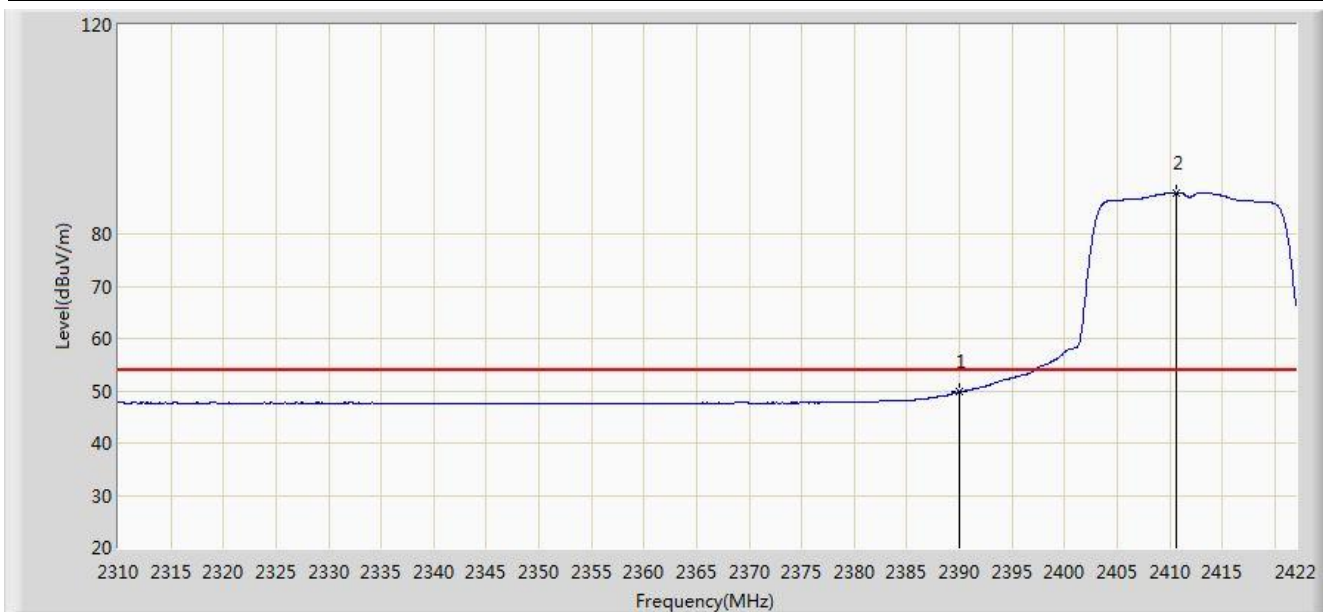


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.296	66.554	35.350	-7.446	74.000	31.204	PK
2			2390.000	65.085	33.882	-8.915	74.000	31.203	PK
3		*	2413.880	111.164	79.998	N/A	N/A	31.166	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0+1	

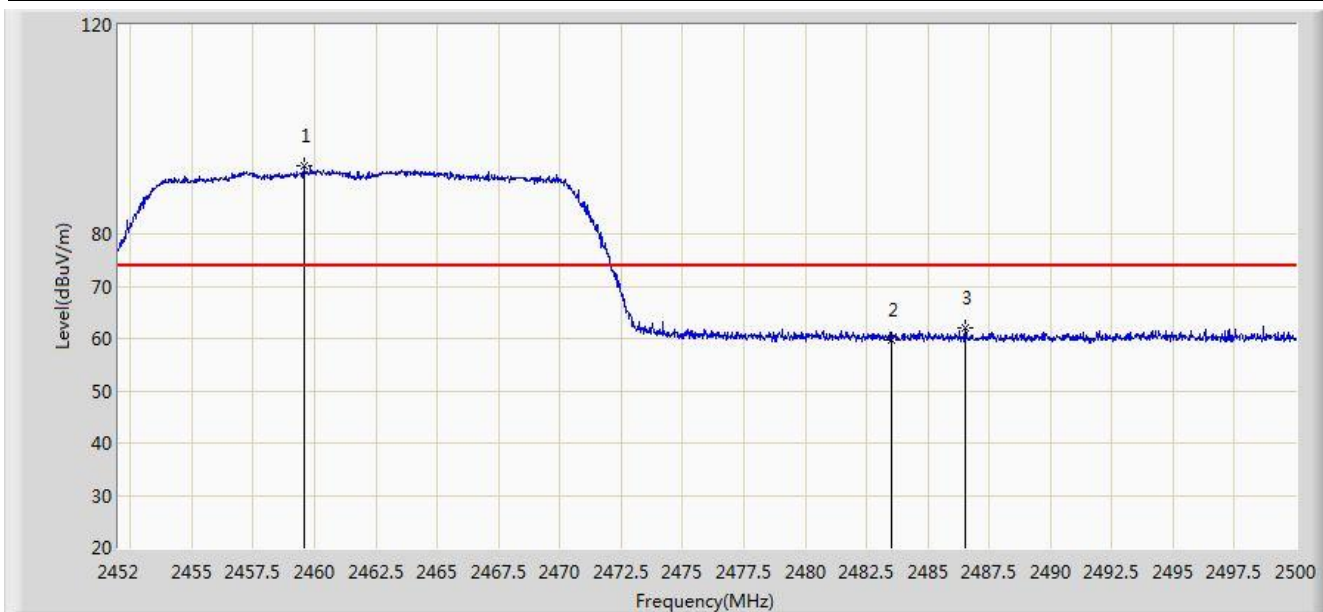


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.810	18.607	-4.190	54.000	31.203	AV
2		*	2410.632	87.863	56.691	N/A	N/A	31.172	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0+1	

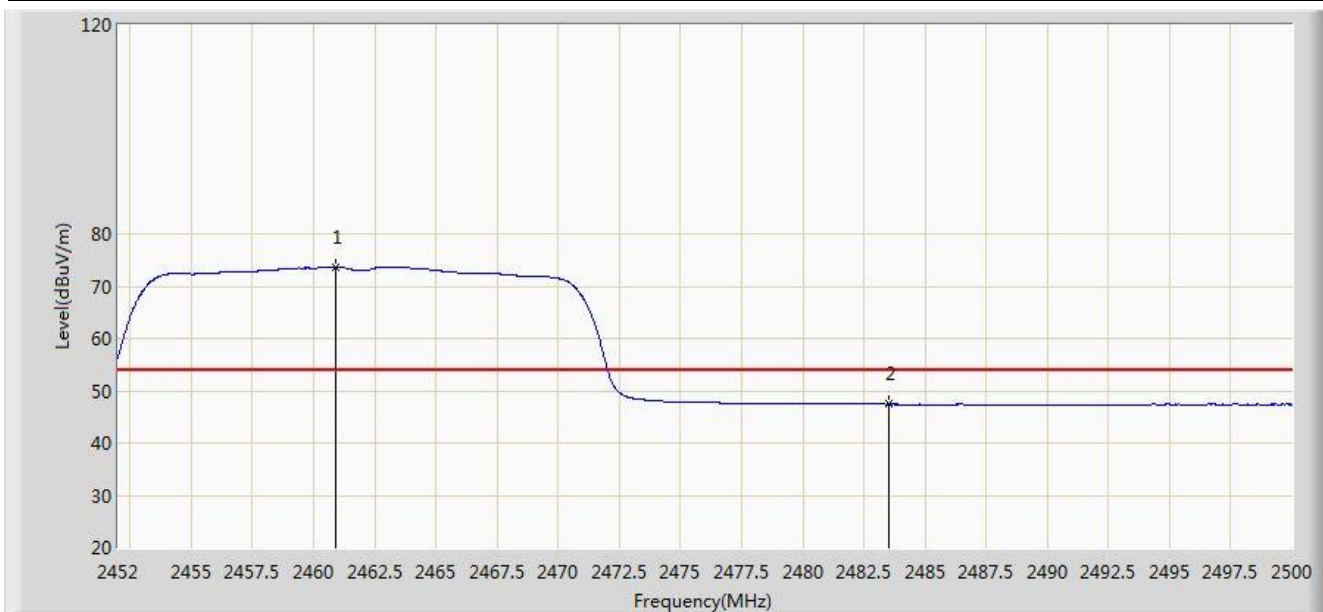


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.584	93.156	62.025	19.156	74.000	31.131	PK
2			2483.500	59.807	28.614	-14.193	74.000	31.194	PK
3			2486.536	62.006	30.805	N/A	N/A	31.201	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0+1	

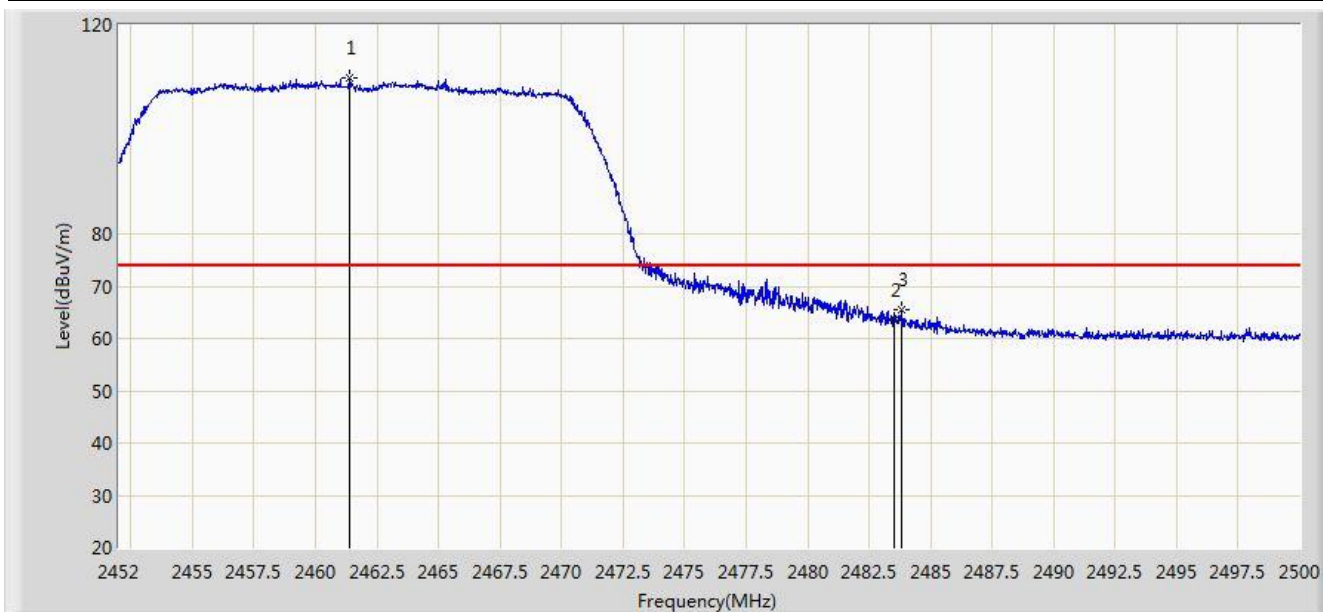


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.928	73.613	42.480	N/A	N/A	31.133	AV
2			2483.500	47.394	16.201	-6.606	54.000	31.194	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.408	109.750	78.616	N/A	N/A	31.134	PK
2			2483.500	63.565	32.372	-10.435	74.000	31.194	PK
3			2483.824	65.458	34.264	-8.542	74.000	31.194	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: AC1	Time: 2015/10/22 - 11:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0+1	

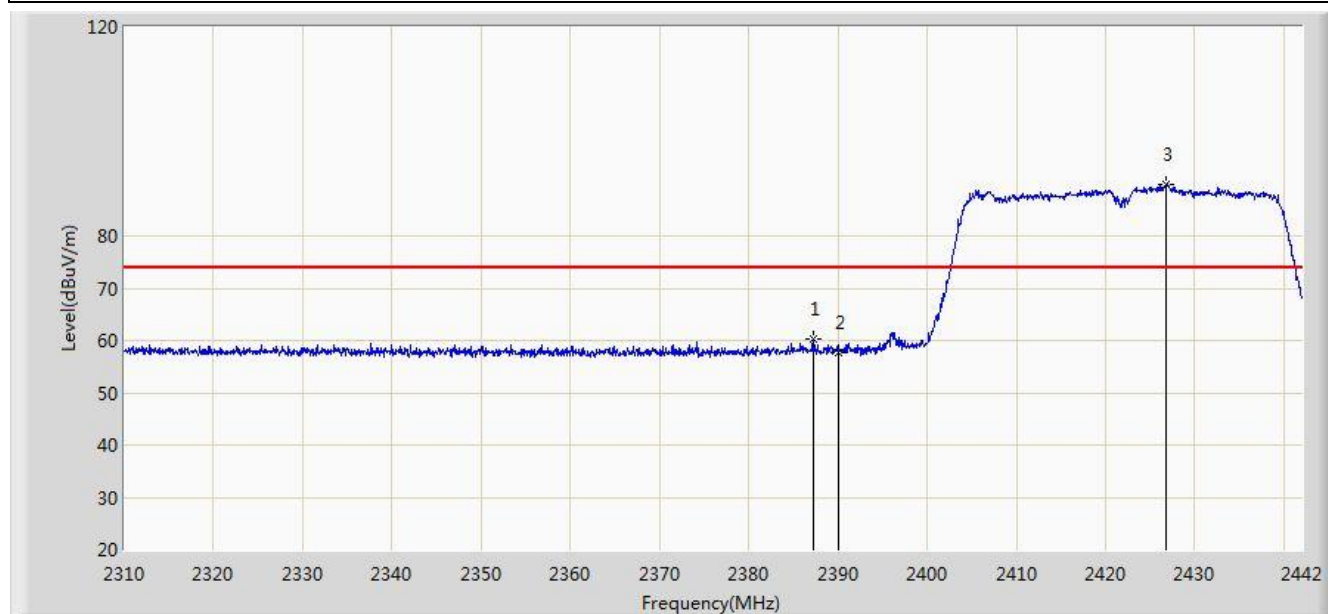


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.712	86.449	55.316	N/A	N/A	31.133	AV
2			2483.500	49.343	18.150	-4.657	54.000	31.194	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 12:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0+1	

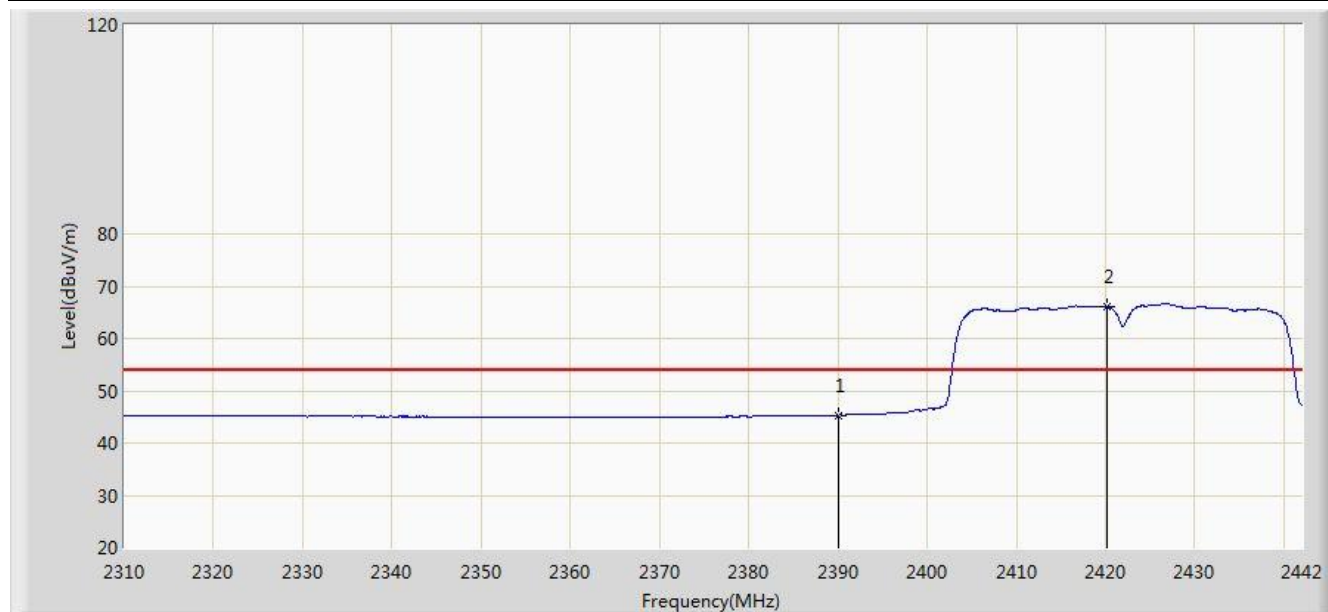


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.286	60.321	29.113	-13.679	74.000	31.208	PK
2			2390.000	57.714	26.511	-16.286	74.000	31.203	PK
3		*	2426.754	89.825	58.681	N/A	N/A	31.144	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 12:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0+1	

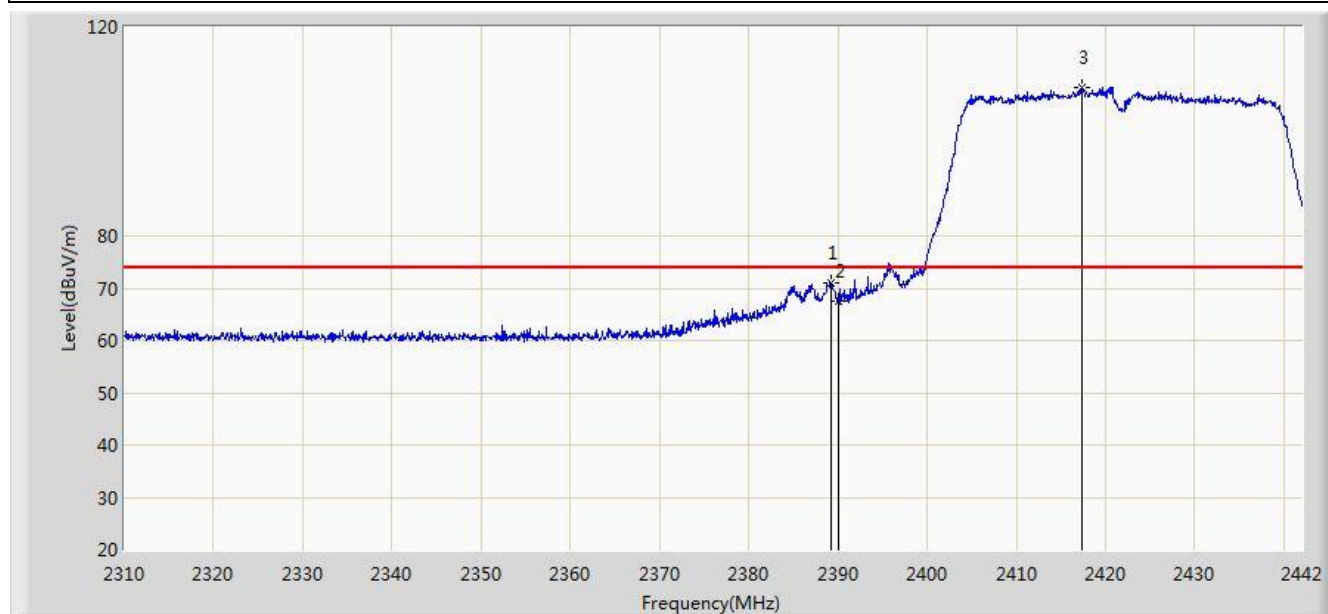


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.352	14.149	-8.648	54.000	31.203	AV
2		*	2420.154	66.139	34.984	N/A	N/A	31.156	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0+1	

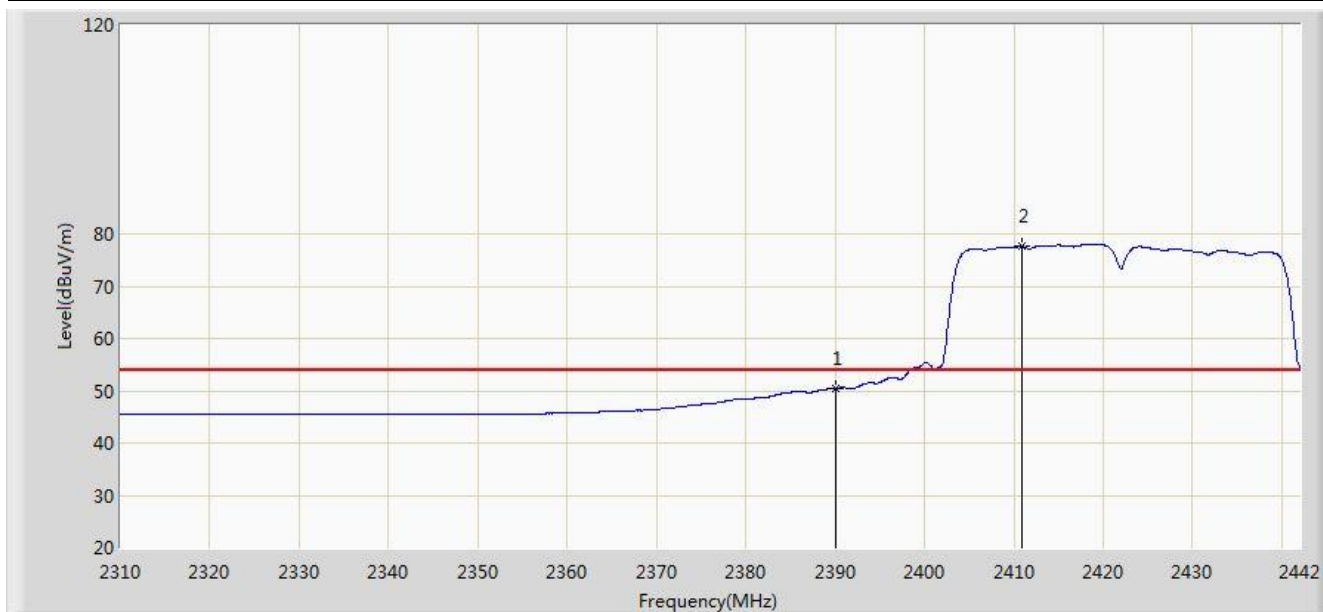


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.200	70.942	39.738	-3.058	74.000	31.204	PK
2			2390.000	67.500	36.297	-6.500	74.000	31.203	PK
3		*	2417.316	108.274	77.114	N/A	N/A	31.160	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 11:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0+1	

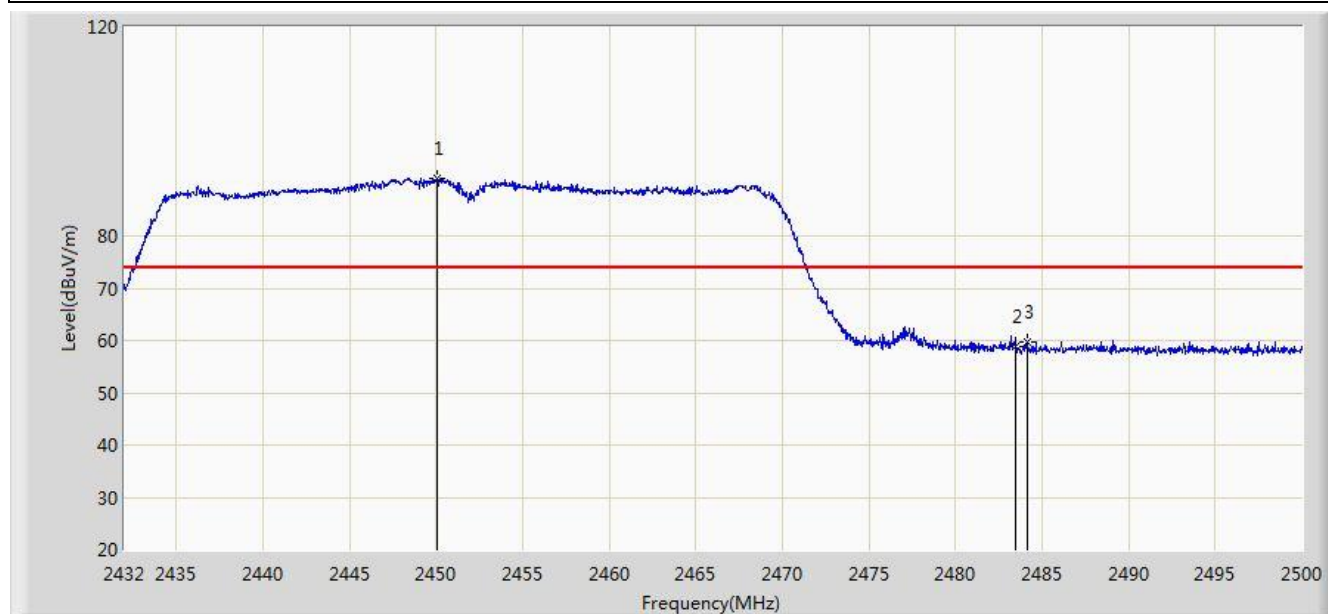


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.463	19.260	-3.537	54.000	31.203	AV
2		*	2410.914	77.616	46.445	N/A	N/A	31.171	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 13:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0+1	

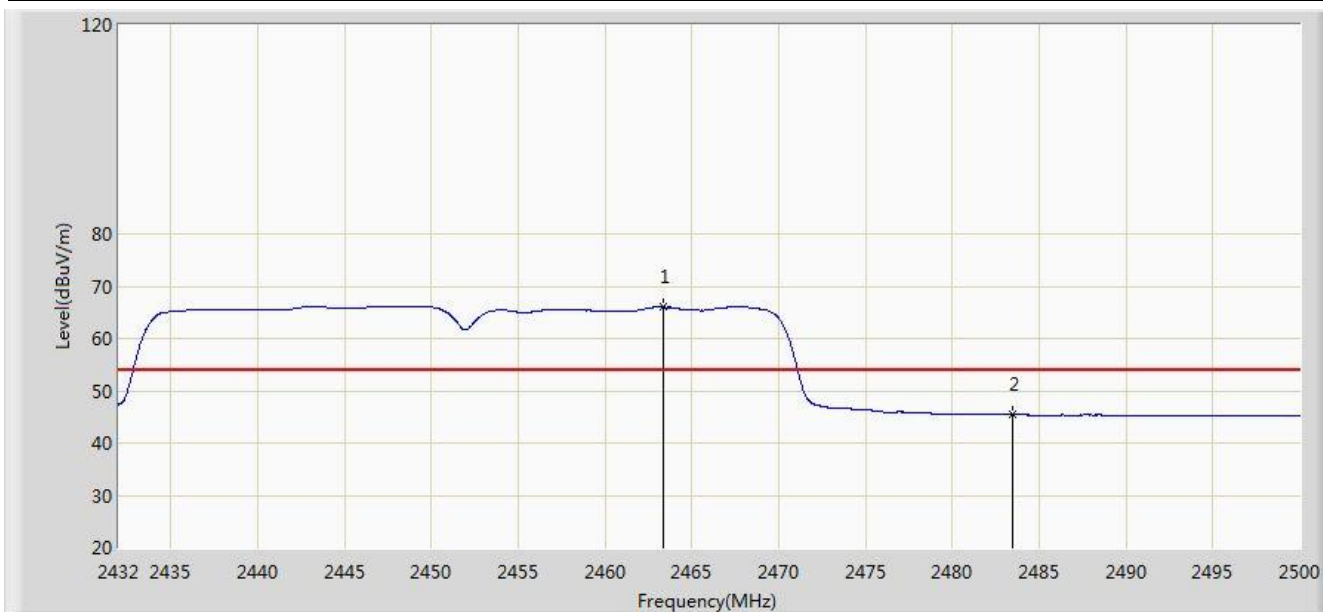


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.054	91.043	59.929	N/A	N/A	31.114	PK
2			2483.500	58.830	27.637	-15.170	74.000	31.194	PK
3			2484.122	59.835	28.640	-14.165	74.000	31.195	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 13:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0+1	

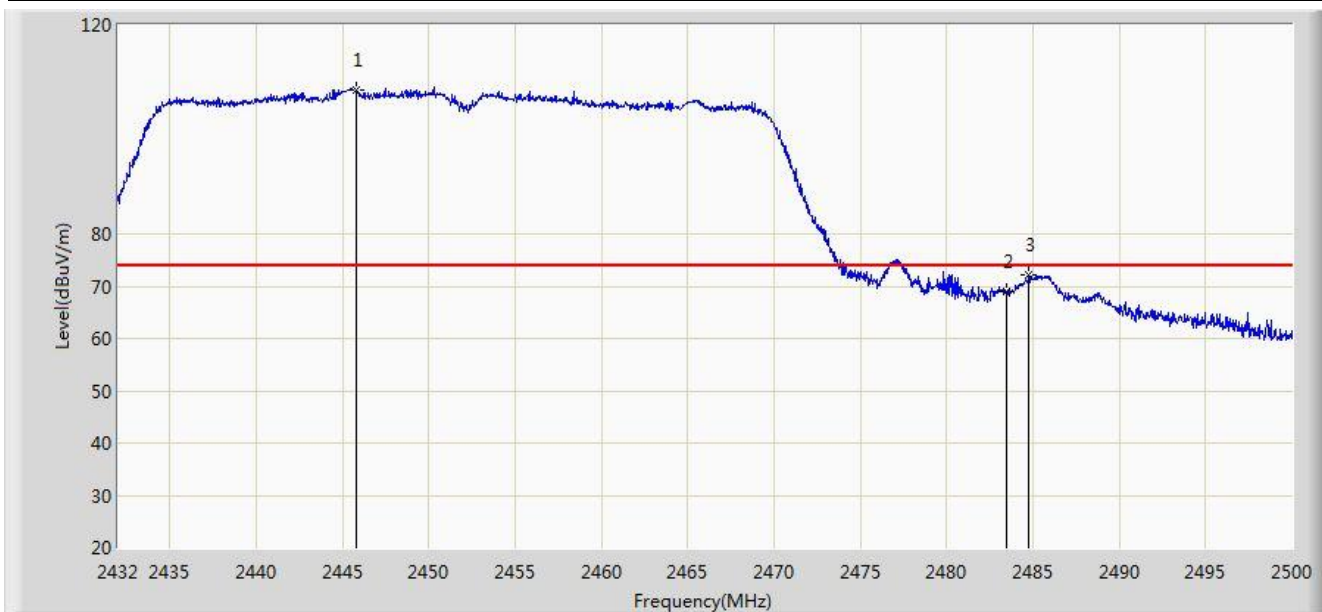


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.382	65.962	34.824	N/A	N/A	31.138	AV
2			2483.500	45.400	14.207	-8.600	54.000	31.194	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/10/22 - 13:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0+1	



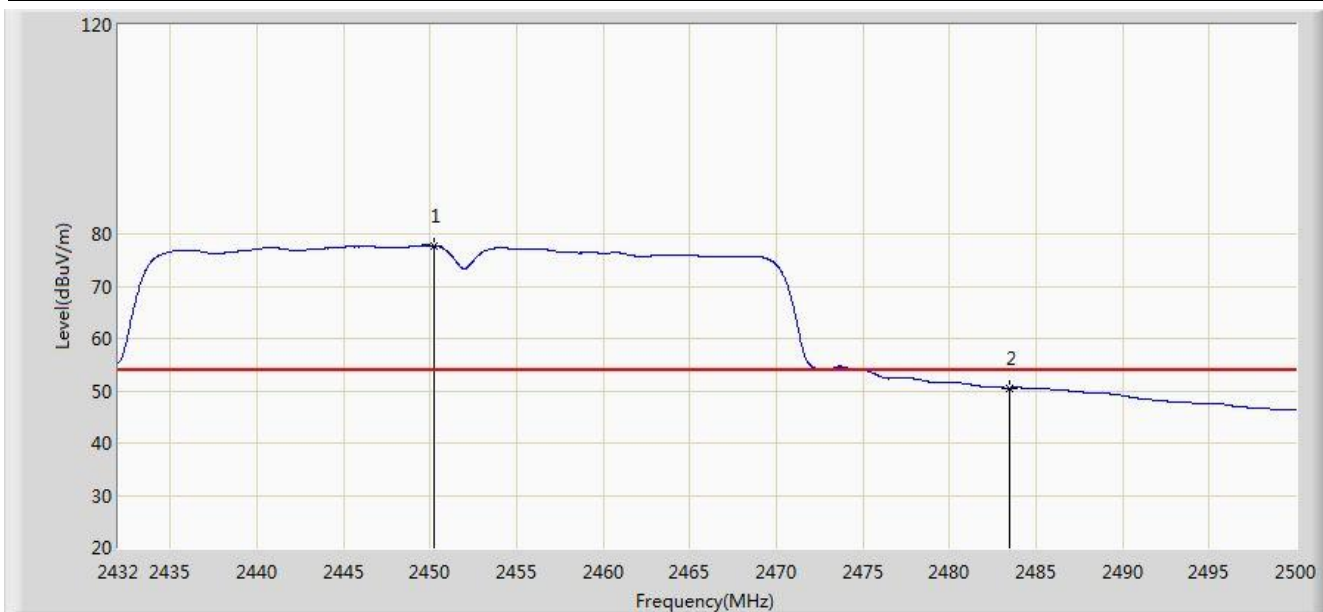
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2445.770	107.535	76.428	N/A	N/A	31.108	PK
2			2483.500	69.035	37.842	-4.965	74.000	31.194	PK
3			2484.768	72.111	40.914	-1.889	74.000	31.197	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: AC1	Time: 2015/10/22 - 13:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.258	77.754	46.640	N/A	N/A	31.115	AV
2			2483.500	50.575	19.382	-3.425	54.000	31.194	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

## 7.8. AC Conducted Emissions Measurement

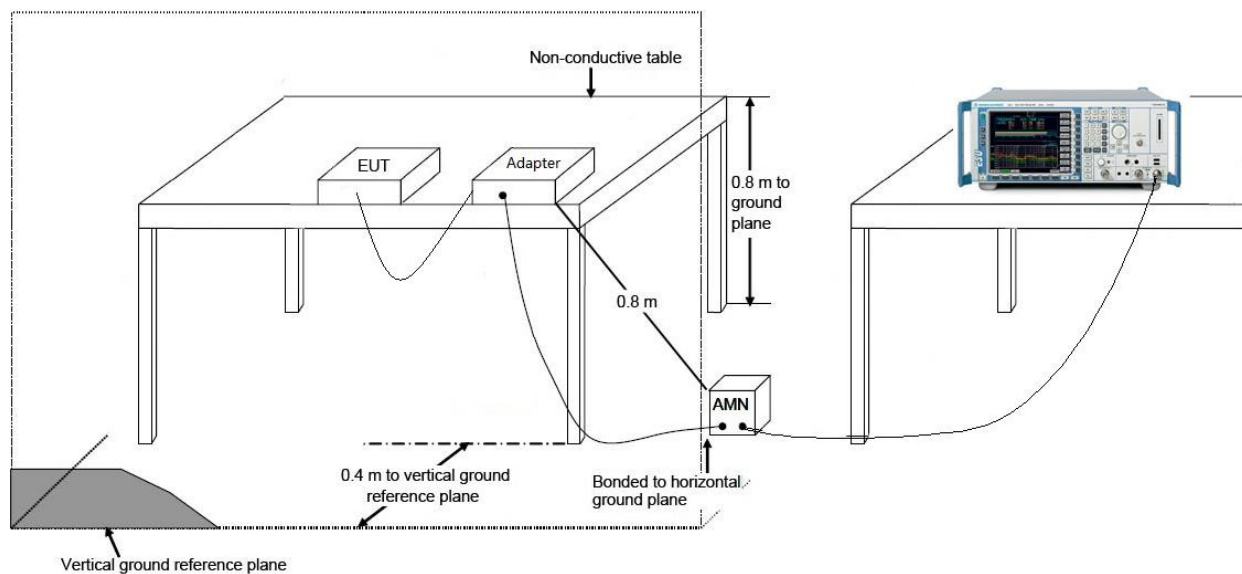
### 7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

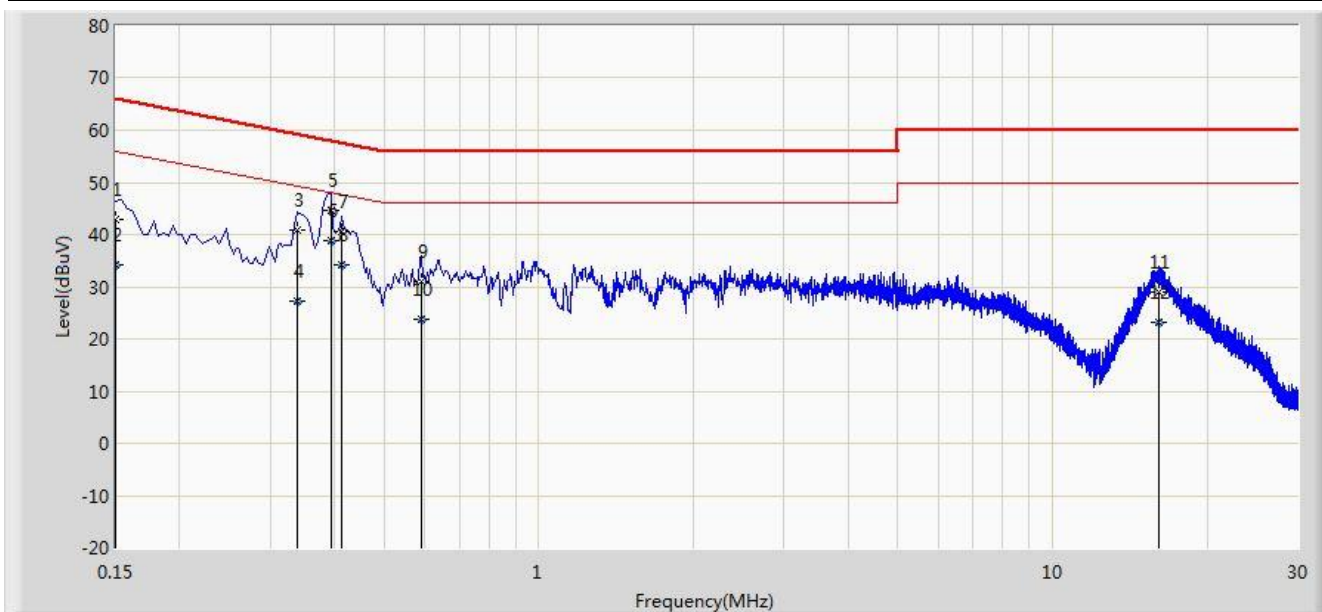
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

### 7.8.2. Test Setup



### 7.8.3. Test Result

Site: SR2	Time: 2015/10/23 - 18:46
Limit: FCC_Part15.207_CE_AC Power	Engineer: Roy Cheng
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: wifi adapter	Power: AC 120V/60Hz
Note: Mode 1	

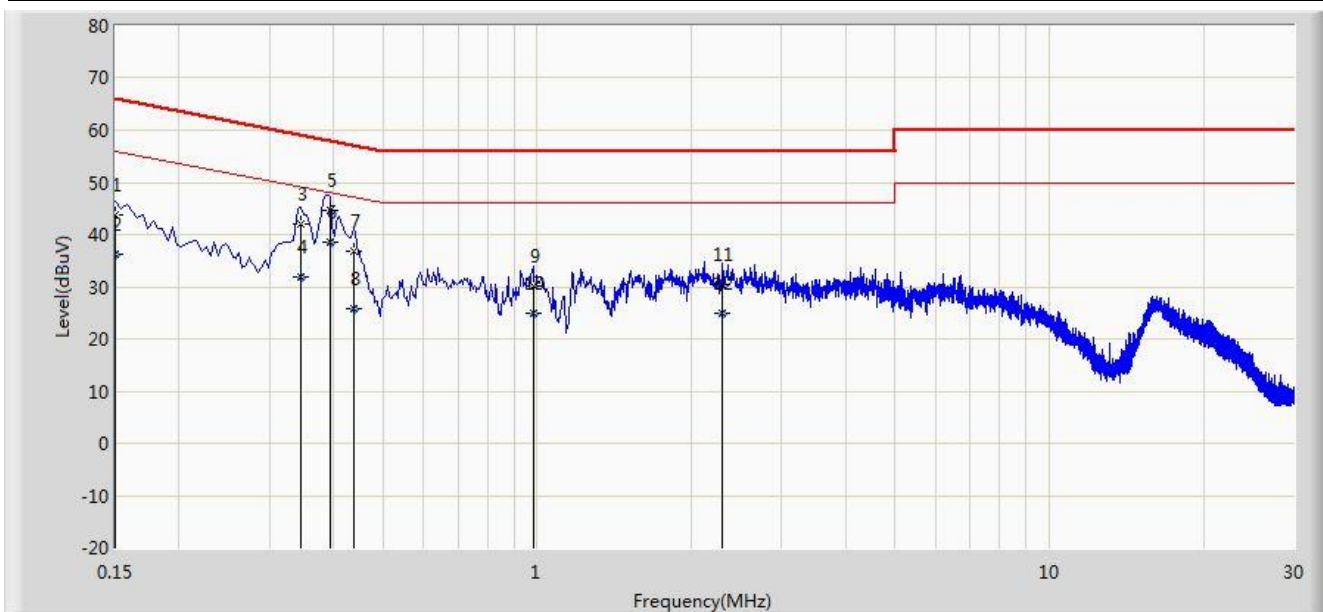


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	42.805	31.636	-23.195	66.000	11.168	QP
2			0.150	34.318	23.150	-21.682	56.000	11.168	AV
3			0.338	40.920	30.885	-18.333	59.252	10.034	QP
4			0.338	27.166	17.132	-22.086	49.252	10.034	AV
5			0.394	44.722	34.642	-13.257	57.979	10.080	QP
6		*	0.394	38.912	28.832	-9.066	47.979	10.080	AV
7			0.414	40.707	30.611	-16.860	57.568	10.097	QP
8			0.414	34.230	24.133	-13.338	47.568	10.097	AV
9			0.590	31.050	20.930	-24.950	56.000	10.120	QP
10			0.590	23.692	13.572	-22.308	46.000	10.120	AV
11			16.054	29.075	19.003	-30.925	60.000	10.072	QP
12			16.054	23.093	13.021	-26.907	50.000	10.072	AV

Note: Measure Level (dBuV) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: SR2	Time: 2015/10/23 - 18:50
Limit: FCC_Part15.207_CE_AC Power	Engineer: Roy Cheng
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: wifi adapter	Power: AC 120V/60Hz
Note: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	43.765	32.623	-22.235	66.000	11.142	QP
2			0.150	36.136	24.994	-19.864	56.000	11.142	AV
3			0.346	41.992	31.920	-17.066	59.058	10.071	QP
4			0.346	31.850	21.778	-17.208	49.058	10.071	AV
5			0.394	44.717	34.609	-13.262	57.979	10.108	QP
6		*	0.394	38.457	28.349	-9.522	47.979	10.108	AV
7			0.438	36.807	26.666	-20.293	57.100	10.141	QP
8			0.438	25.660	15.519	-21.439	47.100	10.141	AV
9			0.982	30.014	20.096	-25.986	56.000	9.918	QP
10			0.982	24.845	14.927	-21.155	46.000	9.918	AV
11			2.302	30.338	20.472	-25.662	56.000	9.866	QP
12			2.302	24.931	15.065	-21.069	46.000	9.866	AV

Note: Measure Level (dBuV) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

## 8. CONCLUSION

The data collected relate only the item(s) tested and showed that the **wifi adapter FCC ID:**

**2ADU2-H50317** is in compliance with Part 15C of the FCC Rules.

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The End